

Your ref: BCP Site #C360116  
Our ref: 12582345

November 15, 2022

Mr. Michael Squire  
Division of Environmental Remediation, Remedial Bureau C  
New York State Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233

**RE: Lot 4 – Austin Avenue and Prior Place BCP Site, May 2022 Biennial Post-Remediation Groundwater Monitoring**

Dear Mr. Squire:

GHD Consulting Services Inc. (GHD) personnel have completed the biennial 2022 post-remediation groundwater monitoring activities at the Lot 4 – Austin Avenue and Prior Place Brownfield Cleanup Program (BCP) Site located in the City of Yonkers, Westchester County, NY (Figure 1), on behalf of Morris Westchester Retail Associates, LLC. The reduction to a biennial sampling frequency was requested following the May 2021 sampling event and approved by NYSDEC, by letter dated December 9, 2021, with a requirement that one more round of samples be collected from MW-2A and analyzed for total and dissolved metals by the laboratory to determine if past exceedances of chromium and lead were anomalies. The following is a summary of the sampling activities and findings of the first biennial groundwater-monitoring event completed on May 2, 2022.

## 1. Groundwater Monitoring Well Sampling Methods

One round of groundwater samples was taken on May 2, 2022 from two of the three on-Site groundwater monitoring wells (MW-2A and MW-2B) and from one off-site groundwater monitoring well (SWR-MW-1, located on the adjacent Lot 1 BCP Site #C360066) (see Figure 2). The steel stick-up protective casing of on-Site groundwater monitoring well MW-1 was found to be damaged during a previous sampling event as the result of an unknown event, which rendered access to the well unfeasible. Based on previous NYSDEC approval, this well will be scheduled for decommissioning when possible. In addition to the normal samples, a blind field duplicate sample and a matrix spike/matrix spike duplicate sample were taken at MW-2B for quality assurance purposes.

Prior to purging the monitoring wells, depth to water and total depth of well measurements were taken using an electronic water level meter for use in calculating well volumes and static groundwater elevations. Wells were purged using a stainless-steel bladder pump with a Teflon bladder and dedicated polyethylene tubing for each monitoring well. The bladder pump and Teflon bladder were decontaminated between each monitoring well by washing in an Alconox and potable water solution and rinsing with potable water. Purging continued until groundwater field parameters (i.e., temperature, conductivity, dissolved oxygen, pH, oxidation reduction potential, and turbidity) stabilized or until the well went dry, whichever occurred first. Groundwater field

parameters were recorded using a field calibrated multi-parameter water quality meter equipped with a flow-through cell.

Following purging, the multi-parameter water quality meter was disconnected, and groundwater samples were taken using the stainless-steel bladder pump. Samples were collected directly from the dedicated tubing into containers provided by the laboratory, placed in ice-filled coolers, and submitted to Alpha Analytical of Westborough, MA for analysis. Samples for dissolved metals analysis were collected directly into sample containers provided and filtered by the laboratory prior to analysis. As previously approved by NYSDEC, each groundwater sample was analyzed for total Target Analyte List (TAL) metals and dissolved TAL metals by EPA Methods 6020A and 7470A (mercury only).

Groundwater monitoring well purge water was discharged to the ground surface in the vicinity of the monitoring well from which it came and allowed to infiltrate, in accordance with NYSDEC-approval. Field sampling logs are included as Attachment 1.

## 2. Groundwater Monitoring Well Sampling Results

A depth to water measurement was taken from each of the groundwater monitoring wells prior to purging (Table 1). This information was used to calculate groundwater elevations, which are shown on Figure 3. Groundwater field parameters were recorded during purging using a multi-parameter water quality meter equipped with a flow-through cell (Table 2).

Based on historic Site investigation findings and current calculated groundwater elevations, it appears that groundwater flow at the time of sampling could have a radial flow component, with some groundwater potentially flowing to the north/northwest and some potentially flowing to the east. Because a portion of the Site was a former rock quarry and bedrock outcrops occur along the western portion, a bedrock divide exists somewhere through the Site, the exact location of which is unknown. It is likely this bedrock divide influences shallow groundwater flow direction at the Site.

Laboratory analytical results for groundwater samples are compared to the NYSDEC Division of Water Technical and Operations Guidance Series (TOGS) 1.1.1 Class GA ambient water quality standards or guidance values (June 1998 and subsequent addenda) in Table 3. Groundwater samples from each of the monitoring wells were also analyzed for dissolved metals during this sampling round to determine the influence of entrained particulates on metals concentrations, if any. A comparison of results for dissolved metals and total metals samples can be seen in Table 3.

Figure 4 identifies groundwater sample locations and analytes that exceed the Class GA groundwater standards or guidance values. Attachment 2 includes a copy of the laboratory analytical report. In addition, field measurements and groundwater sample analytical results were submitted to the NYSDEC's EQUIS database and were approved and uploaded (Attachment 3).

During the May 2022 monitoring event, numerous metals were identified at concentrations above laboratory method detection limits in each of the samples taken. Of those detected, the following analytes were identified at concentrations that exceed applicable Class GA groundwater standards or guidance values in at least one sample:

- Iron, Total – all samples
- Iron, Dissolved – MW-2B, SWR-MW-1, and Duplicate (MW-2B)
- Magnesium, Total – MW-2A, MW-2B, and Duplicate (MW-2B)
- Magnesium, Dissolved – MW-2A, MW-2B, and Duplicate (MW-2B)
- Manganese, Total – all samples
- Manganese, Dissolved – all samples

- Sodium, Total – all samples
- Sodium, Dissolved – all samples
- Antimony, Total – MW-2B
- Thallium, Total – MW-2B

It is noted that the concentrations of antimony and thallium detected in the dissolved (field filtered) sample taken from MW-2B were below the laboratory method detection limit (antimony) or flagged as an estimated value by the laboratory (thallium in the MW-2B duplicate sample – dissolved thallium in the parent sample from MW-2B was not detected above the laboratory method detection limit).

### 3. Conclusions

Concentrations of total metals were detected in each of the groundwater samples taken, with concentrations of iron (all samples), magnesium (MW-2A, MW-2B, and Duplicate [MW-2B]), manganese (all samples), and sodium (all samples) being the only ones that commonly exceed applicable Class GA groundwater standards or guidance values across the Site and in the off-site monitoring well (SWR-MW-1). The detected concentrations of these analytes, which are commonly occurring natural elements, were similar to those previously detected and do not indicate discernable increasing or decreasing trends based on the available sample analytical results. The only other identified exceedances of applicable Class GA groundwater standards or guidance values during the May 2022 sampling event were for total antimony and total thallium in the sample taken from MW-2B, both of which were flagged as estimated concentrations by the laboratory. The thallium concentration was detected below standards, and flagged as estimated concentrations by the laboratory, in the dissolved metals sample taken from MW-2B. Antimony was not detected above laboratory method detection limits in the dissolved metals sample taken from MW-2B.

Historically, samples from off-site well SWR-MW-1, which is installed within historic fill materials on the adjacent BCP Site (Site #C360066), have identified, in addition to the commonly detected metals noted, periodic exceedances of standards for chromium, copper, lead, nickel, selenium, and thallium. Historically, samples from on-Site well MW-2A have identified periodic exceedances of standards for chromium, lead, and selenium. These concentrations have fluctuated over time in samples taken from these wells and the concentrations detected in off-site well SWR-MW-1 are typically higher than on-Site concentrations of the same analytes. None of these analytes were detected in the samples taken from SWR-MW-1 or MW-2A at concentrations in excess of applicable Class GA groundwater standards during the May 2022 monitoring event. Antimony and thallium were detected for the first time in the sample taken from MW-2B in excess of applicable Class GA groundwater standards during the May 2022 monitoring event. These metals concentrations will continue to be monitored for discernable trends during future sampling events.

Based on the potential impact of turbidity on groundwater sample results, dissolved metals were taken in conjunction with total metals samples during the May 2022 event. Groundwater samples taken from each well (MW-2A, MW-2B, and SWR-MW-1) had relatively low turbidities (40.2 NTU, 11.9 NTU, and 18.9 NTU, respectively) during this sampling round. Analytical results of total and dissolved metals samples were generally similar for most analytes, with dissolved concentrations being slightly lower in some instances.

The groundwater sample analytical data to date for the Site indicates relatively stable or slightly decreasing concentrations, and the only analytes that commonly exceed Class GA groundwater standards or guidance values across the Site are naturally occurring metals (iron, magnesium, manganese, and sodium). Based on the available data, it is recommended the groundwater monitoring program continue at its currently approved biennial frequency and using the current analytical list of total and dissolved metals at the remaining Site monitoring wells (MW-2A, MW-2B, and SWR-MW-1).

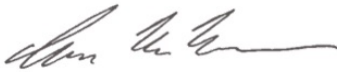
Based on the observed damage to on-Site groundwater monitoring well MW-1, and the fact that the monitoring well did not typically contain sufficient water to allow for collection of representative samples for laboratory analysis, it was recommended that the well be decommissioned. NYSDEC approved the recommendation to decommission via letter dated December 9, 2021 and decommissioning is being scheduled. Decommissioning will be completed in accordance with CP-43 and the NYSDEC will be notified 10 days in advance of any field activities.

Laboratory analytical results of groundwater samples taken from the Site will continue to be monitored during the future monitoring events to assess groundwater quality and identify discernable trends.

The next scheduled groundwater monitoring event is scheduled for May 2024. Notifications will be provided to the NYSDEC 10 days in advance of field sampling activities.

Please contact me if you have questions or require additional information.

Sincerely,



**Ian McNamara**  
Geologist

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ian.mcnamara@ghd.com



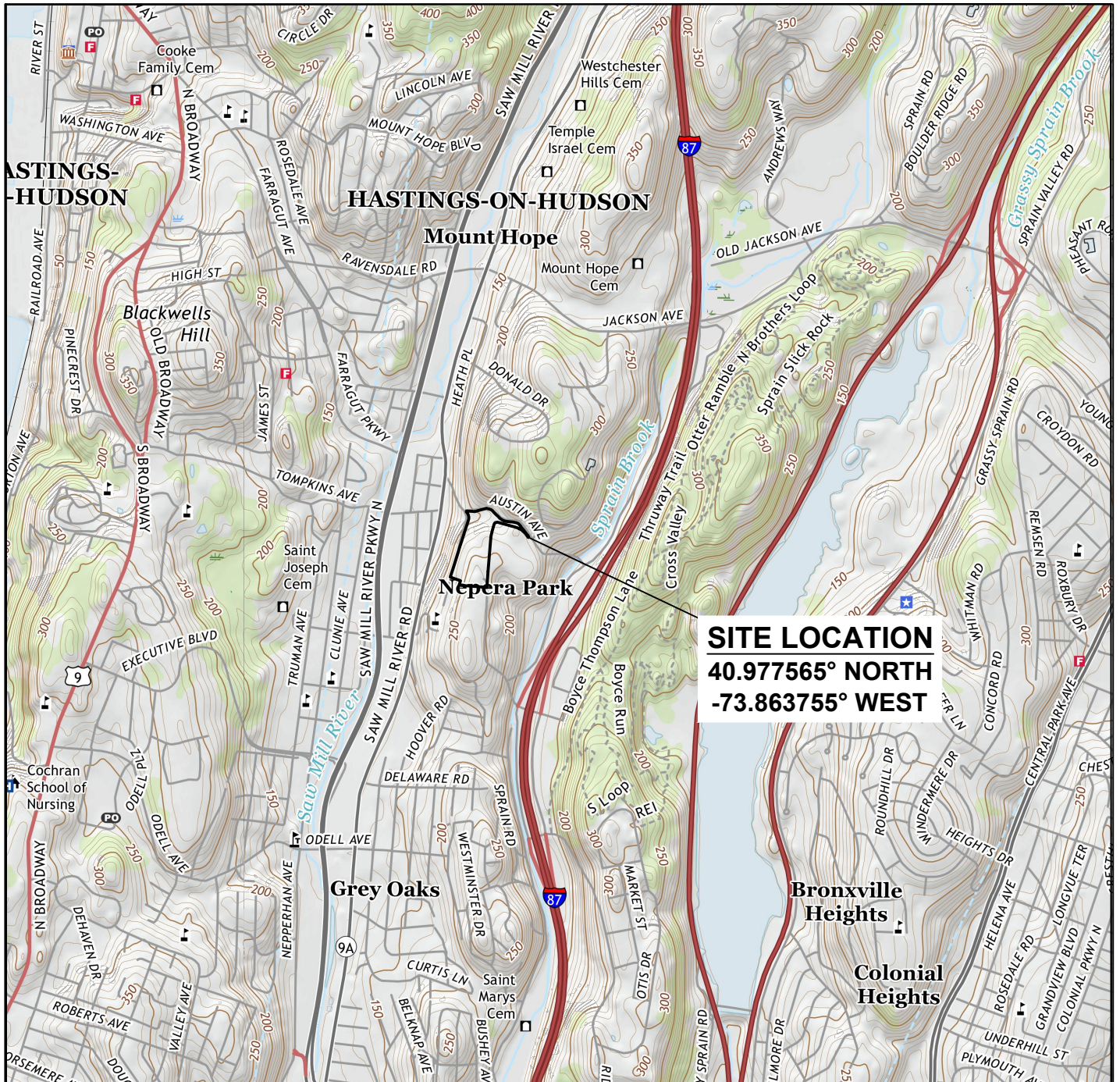
**Damian Vanetti**  
Project Director

+1 315 802-0340  
damian.vanetti@ghd.com

Enclosures:     Figure 1 – Site Location Map  
                     Figure 2 – Site Layout Map  
                     Figure 3 – 2022 Groundwater Elevations  
                     Figure 4 – 2022 Groundwater Exceedances  
                     Table 1 – Groundwater Elevation Data  
                     Table 2 – Summary of Groundwater Field Parameters  
                     Table 3 – Groundwater Data Summary  
                     Attachment 1 – Groundwater Field Sampling Logs  
                     Attachment 2 – Laboratory Analytical Report  
                     Attachment 3 – NYSDEC EQUIS Correspondence

Copy to:         Stephen Lawrence, NYSDOH (w/encs. via email)  
                     Maureen Schuck, NYSDOH (w/encs. via email)  
                     Keith Morris, Morris Companies (w/encs. via email)  
                     Thomas Gallagher, Morris Companies (w/encs. via email)

# Figures



**SITE LOCATION**  
**40.977565° NORTH**  
**-73.863755° WEST**

CONTOUR INTERVAL: 10 FEET

MAP TAKEN FROM: USGS 7.5 MINUTE SERIES  
 TOPOGRAPHIC QUADRANGLES:  
 MOUNT VERNON, NY (2019) &  
 YONKERS, NY-NJ (2019)  
 (U.S. GEOLOGICAL SURVEY WEBSITE)



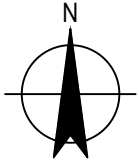
1	2	3
4	5	6
7	8	

ADJOINING QUADRANGLES

- 1 Nyack
- 2 White Plains
- 3 Glenville
- 4 Yonkers
- 5 Mamaroneck
- 6 Central Park
- 7 Flushing
- 8 Sea Cliff



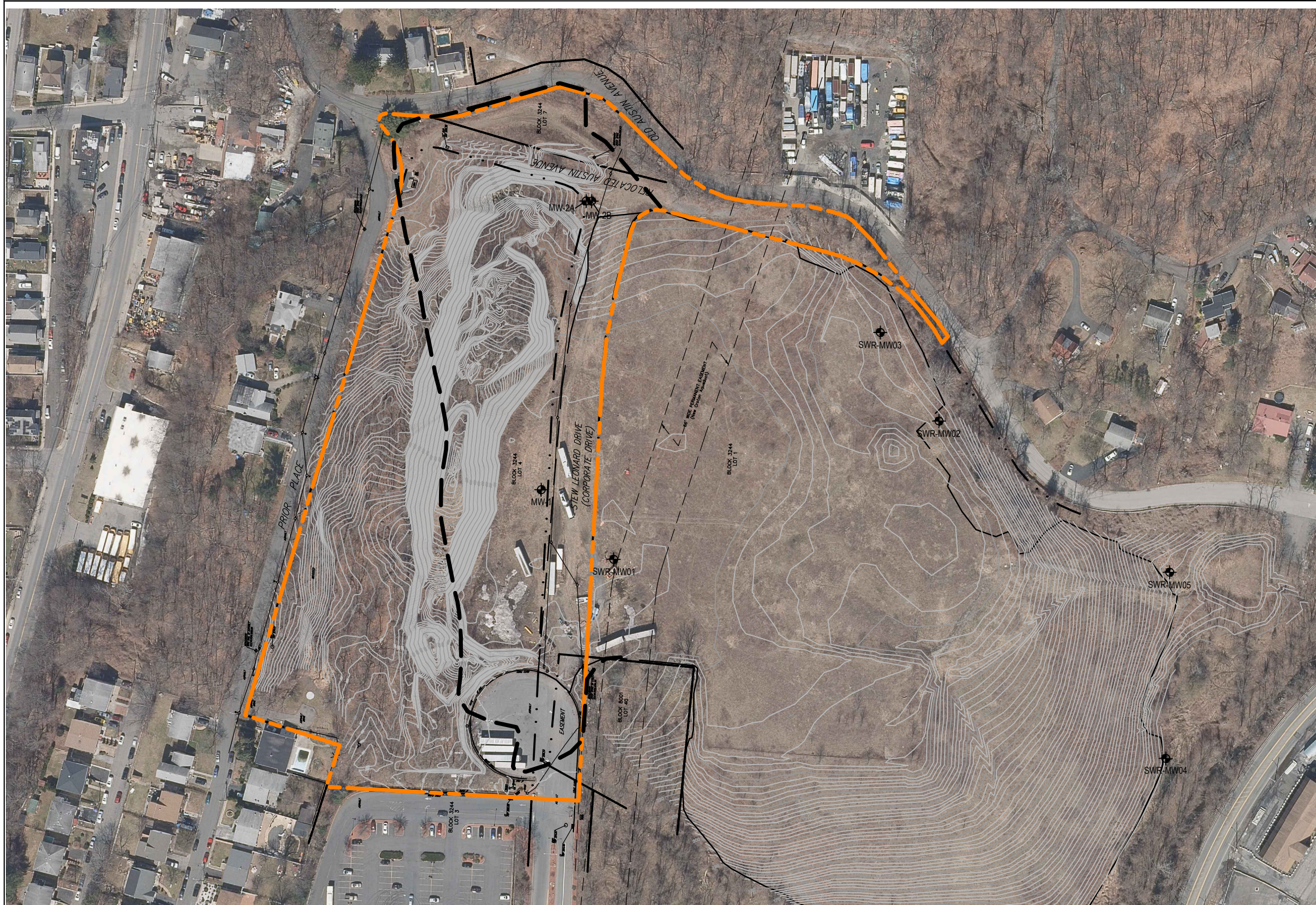
SCALE 1"=2000' AT ORIGINAL SIZE



Morris Westchester Retail Associates, LLC  
 Lot 4- Austin Avenue and Prior Place BCP Site  
 Biennial Groundwater Monitoring  
**SITE LOCATION MAP**

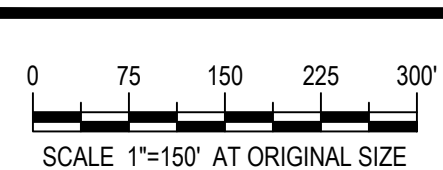
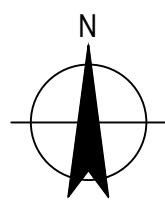
Project No. 12582345  
 Date 9.21.2022

**FIGURE 1**



- LEGEND:**
- - - - - Lot 4 BCP Site Boundary (Approximate)
  - - - - - Extent of Ash (Approximate)
  - Groundwater Monitoring Well Location and ID (Approximate)

- NOTES:**
1. AERIAL PHOTOGRAPHS ARE 6-INCH RESOLUTION AERIAL PHOTOGRAPHS DATED 2021 AND TAKEN FROM THE NYSGIS CLEARINGHOUSE WEBSITE.
  2. LOT 1 BASE MAP FROM A FIELD SURVEY CONDUCTED BY CONTRACTORS LINE AND GRADE SOUTH, LLC, MAY 11, 2011.
  3. LOT 4 BASE MAP FROM A FIELD SURVEY CONDUCTED BY JOHN MEYER CONSULTING, P.C. JUNE 30, 2011.
  4. EXTENT OF ASH FROM EXISTING CONDITIONS, PLATE 1, MORRIS WESTCHESTER CONSTRUCTION COMPANY, L.L.P. HISTORIC AUSTIN AVENUE LANDFILL CLOSURE PLAN, LEGGETTE, BRASHEARS, & GRAHAM ENGINEERING SERVICES, P.C. MARCH 1988. REVISED BY S&W REDEVELOPMENT OF NORTH AMERICA, LLC, MAY 2011. FURTHER REVISED BY GHD CONSULTING ENGINEERS, LLC, DECEMBER 2012.

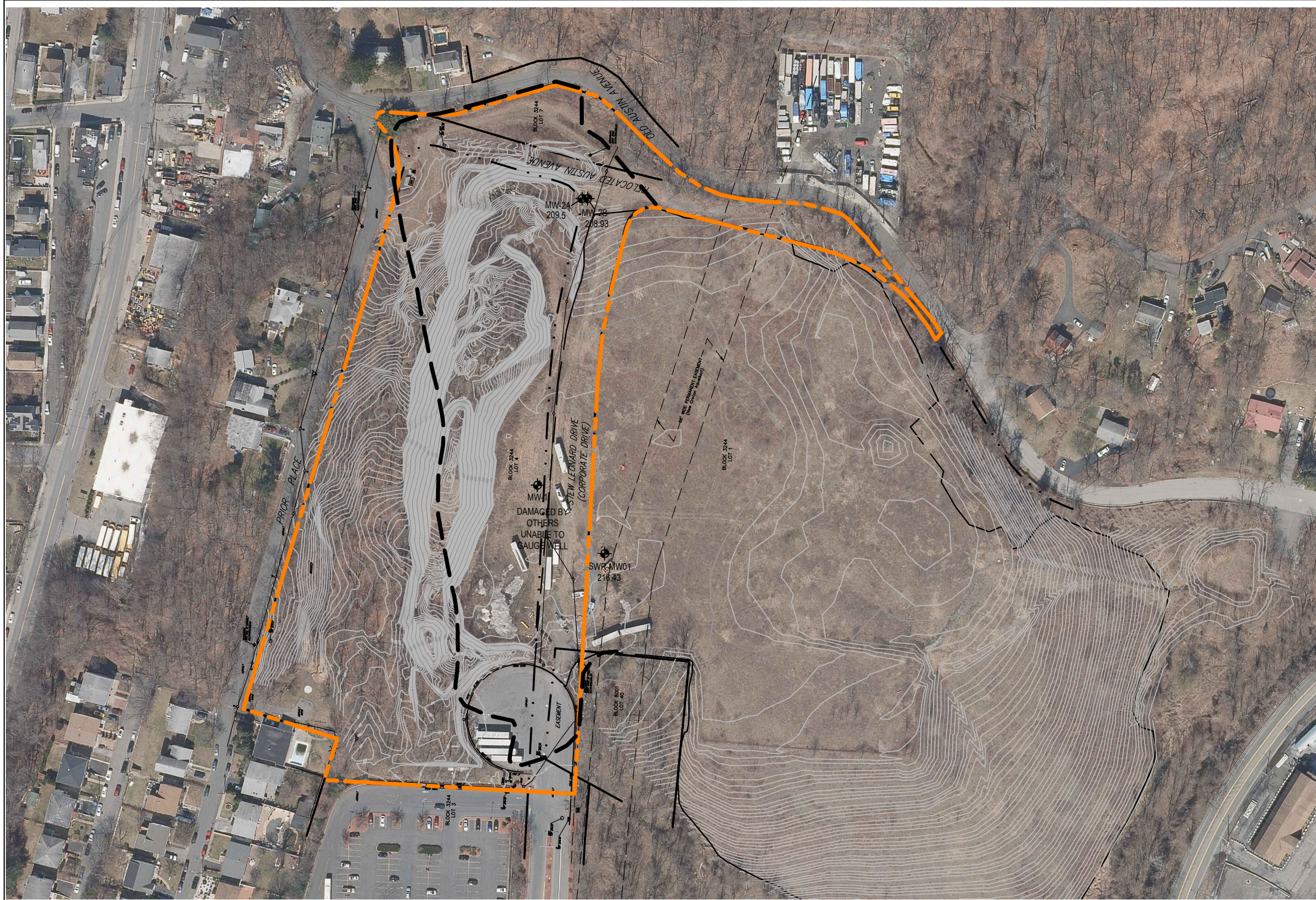


Morris Westchester Retail Associates, LLC  
 Lot 4- Austin Avenue and Prior Place BCP Site  
 Biennial Groundwater Monitoring

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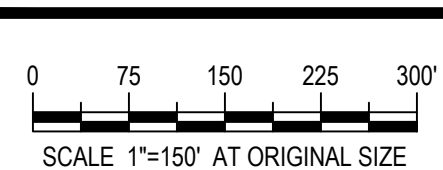
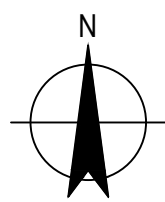
SITE LAYOUT

FIGURE 2



- LEGEND:**
- - - - - Lot 4 BCP Site Boundary (Approximate)
  - - - - - Extent of Ash (Approximate)
  - MW-1 Groundwater Monitoring Well Location and ID (Approximate)
  - 209.5 Groundwater Elevation

- NOTES:**
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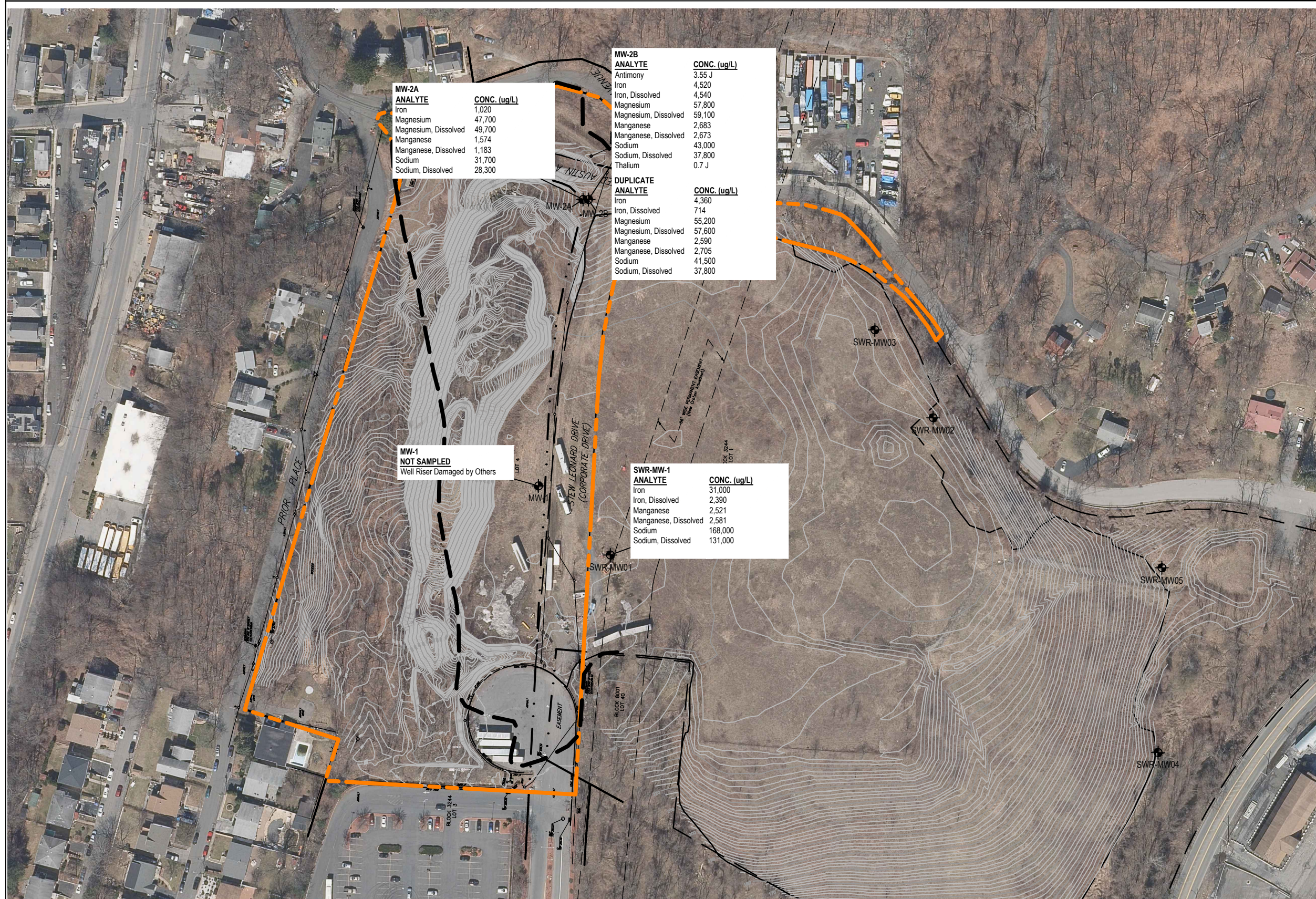
Morris Westchester Retail Associates, LLC  
 Lot 4- Austin Avenue and Prior Place BCP Site  
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**2022 GROUNDWATER ELEVATIONS**

**FIGURE 3**





MW-2A	
ANALYTE	CONC. (ug/L)
Iron	1,020
Magnesium	47,700
Magnesium, Dissolved	49,700
Manganese	1,574
Manganese, Dissolved	1,183
Sodium	31,700
Sodium, Dissolved	28,300

MW-2B	
ANALYTE	CONC. (ug/L)
Antimony	3.55 J
Iron	4,520
Iron, Dissolved	4,540
Magnesium	57,800
Magnesium, Dissolved	59,100
Manganese	2,683
Manganese, Dissolved	2,673
Sodium	43,000
Sodium, Dissolved	37,800
Thalium	0.7 J

DUPLICATE	
ANALYTE	CONC. (ug/L)
Iron	4,360
Iron, Dissolved	714
Magnesium	55,200
Magnesium, Dissolved	57,600
Manganese	2,590
Manganese, Dissolved	2,705
Sodium	41,500
Sodium, Dissolved	37,800

**MW-1**  
NOT SAMPLED  
Well Riser Damaged by Others

SWR-MW-1	
ANALYTE	CONC. (ug/L)
Iron	31,000
Iron, Dissolved	2,390
Manganese	2,521
Manganese, Dissolved	2,581
Sodium	168,000
Sodium, Dissolved	131,000

**LEGEND:**

- Lot 4 BCP Site Boundary (Approximate)
- Extent of Ash (Approximate)
- Groundwater Monitoring Well Location and ID (Approximate)

Conc. ug/L  
 (5-2-2022)  
 ug/L - micrograms per liter, parts per billion

- NOTES:**
- ONLY EXCEEDANCES OF THE CLASS GA GROUNDWATER STANDARDS OR GUIDANCE VALUES ARE SHOWN HERE. FOR A COMPLETE SUMMARY OF ANALYTICAL RESULTS, REFER TO THE TABLES.
  - AERIAL PHOTOGRAPHS ARE 6-INCH RESOLUTION AERIAL PHOTOGRAPHS DATED 2021 AND TAKEN FROM THE NYSGIS CLEARINGHOUSE WEBSITE.
  - LOT 1 BASE MAP FROM A FIELD SURVEY CONDUCTED BY CONTRACTORS LINE AND GRADE SOUTH, LLC, MAY 11, 2011.
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SCALE 1"=150' AT ORIGINAL SIZE

Morris Westchester Retail Associates, LLC  
 Lot 4- Austin Avenue and Prior Place BCP Site  
 Biennial Groundwater Monitoring

Project No. 12582345  
 Date 09.21.2022

**2022 GROUNDWATER EXCEEDANCES**

**FIGURE 4**

# Tables



**Table 1: Groundwater Elevation Data. Lot 4 - Austin Avenue and Prior Place BCP Site. Yonkers, NY.**

<b>Monitoring Well I.D.</b>	<b>Date</b>	<b>Reference Point</b>	<b>Reference Elevation (feet)</b>	<b>DTW (feet)</b>	<b>DOW (feet)</b>	<b>Water Elevation (feet)</b>	<b>Volume (gallons)</b>
<b>MW-2A</b>	4/19/2012	Top of PVC	233.03	25.32	35.95	207.71	1.72
<b>MW-2A</b>	5/23/2017	Top of PVC	233.03	25.55	36.30	207.48	1.74
<b>MW-2A</b>	11/14/2017	Top of PVC	233.03	27.23	36.20	205.80	1.45
<b>MW-2A</b>	6/4/2018	Top of PVC	233.03	24.44	36.20	208.59	1.91
<b>MW-2A</b>	5/31/2019	Top of PVC	233.03	23.89	36.20	209.14	1.99
<b>MW-2A</b>	6/11/2020	Top of PVC	233.03	25.19	36.20	207.84	1.78
<b>MW-2A</b>	5/19/2021	Top of PVC	233.03	24.19	36.20	208.84	1.95
<b>MW-2A</b>	5/2/2022	Top of PVC	233.03	23.53	36.15	209.50	1.92
<b>MW-2B</b>	4/19/2012	Top of PVC	232.96	25.93	55.05	207.03	4.72
<b>MW-2B</b>	5/23/2017	Top of PVC	232.96	24.10	55.30	208.86	5.05
<b>MW-2B</b>	11/14/2017	Top of PVC	232.96	27.68	55.30	205.28	4.47
<b>MW-2B</b>	6/4/2018	Top of PVC	232.96	24.92	55.30	208.04	4.92
<b>MW-2B</b>	5/31/2019	Top of PVC	232.96	24.33	55.30	208.63	5.02
<b>MW-2B</b>	6/11/2020	Top of PVC	232.96	25.63	55.30	207.33	4.81
<b>MW-2B</b>	5/19/2021	Top of PVC	232.96	25.10	55.30	207.86	4.89
<b>MW-2B</b>	5/2/2022	Top of PVC	232.96	24.03	55.30	208.93	4.83
<b>SWR-MW-1</b>	4/19/2012	Top of PVC	253.54	38.80	44.82	214.74	0.98
<b>SWR-MW-1</b>	5/23/2017	Top of PVC	253.54	36.92	42.65	216.62	0.93
<b>SWR-MW-1</b>	11/14/2017	Top of PVC	253.54	39.87	42.90	213.67	0.49
<b>SWR-MW-1</b>	6/4/2018	Top of PVC	253.54	37.47	42.90	216.07	0.88
<b>SWR-MW-1</b>	5/31/2019	Top of PVC	253.54	37.03	42.90	216.51	0.95
<b>SWR-MW-1</b>	6/11/2020	Top of PVC	253.54	37.90	42.90	215.64	0.81
<b>SWR-MW-1</b>	5/19/2021	Top of PVC	253.54	38.08	42.90	215.46	0.78
<b>SWR-MW-1</b>	5/2/2022	Top of PVC	253.54	37.11	42.90	216.43	0.93

DTW - Depth to Water

DOW - Depth of Well

Well MW-1 was found damaged by others on 5/19/2021 and is no longer able to be gauged or sampled and has been removed from the summary tables.



Table 2: Summary of Groundwater Field Parameters. Lot 4 - Austin Avenue and Prior Place BCP Site. Yonkers, NY.

Monitoring Well I.D.	Date	Temp (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (units)	ORP (mV)	Turbidity (NTU)	Amount Purged (liters)	Comments
MW-2A	5/23/2017	14.2	1.325	0.05	6.52	97.4	16.5	3	MS/MSD taken at this location.
MW-2A	11/14/2017	11.13	1.92	0	6.57	166	13.5	3	MS/MSD taken at this location.
MW-2A	6/4/2018	12.6	1.780	0.13	6.15	165	165	18	Slightly cloudy water. No odor.
MW-2A	5/30/2019	13.1	1.710	6.45	6.45	124	100	2	Cloudy to slightly cloudy with purge, light brown, no odor.
MW-2A	6/11/2020	12.2	1.420	0.09	6.57	237	41	8	Cloudy to slightly cloudy with purge, light brown tint, no odor MS/MSD taken at this location.
MW-2A	5/19/2021	14.1	1.534	0.31	6.43	153	278	4	Slightly cloudy water. No odor.
MW-2A	5/2/2022	10.95	1.53	0	7	245	40.2	6.5	-



Table 2: Summary of Groundwater Field Parameters. Lot 4 - Austin Avenue and Prior Place BCP Site. Yonkers, NY.

Monitoring Well I.D.	Date	Temp (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (units)	ORP (mV)	Turbidity (NTU)	Amount Purged (liters)	Comments
MW-2B	5/23/2017	15.1	1.336	0.33	6.54	13.7	18.9	2.2	Blind field duplicate taken at this location.
MW-2B	11/14/2017	9.34	1.51	0.0	6.4	85	0.0	-	-
MW-2B	6/4/2018	12.7	1.740	0.12	6.13	46	90.0	18	Clear water. No odor.
MW-2B	5/30/2019	13.1	1.610	0.00	6.42	15	27.0	2	Water cloudy to clear with purge, no odor.
MW-2B	6/11/2020	12.7	1.520	0.41	6.53	18	12.0	8	Water clear, no odor Blind field duplicate taken at this location.
MW-2B	5/19/2021	26.0	1.527	0.60	6.63	-61	37.7	8	Water cloudy to clear with purge, no odor. MS/MSD taken at this location. Blind field duplicate taken at this location.
MW-2B	5/2/2022	11.11	1.54	1.68	7.25	117	11.9	3.5	-



**Table 2: Summary of Groundwater Field Parameters. Lot 4 - Austin Avenue and Prior Place BCP Site. Yonkers, NY.**

Monitoring Well I.D.	Date	Temp (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (units)	ORP (mV)	Turbidity (NTU)	Amount Purged (liters)	Comments
SWR-MW-1	5/23/2017	16.2	0.327	0.57	6.86	58.7	49.7	1.9	Well dry after purging 1.9 liters. Water yellowish tint, slightly turbid with some sediment, no sheen, slight odor.
SWR-MW-1	11/14/2017	8.96	1.02	0.99	6.08	0.0	87.1	-	Water level was at a level below the meter's ability to read so shut down well to let recharge. MS/MSD and blind field duplicate taken at this location.
SWR-MW-1	6/4/2018	12.5	1.920	0.23	6.42	101	631	5	Well dry after purging 3.0 liters, shut down well to let recharge, purged an additional 2.0 liters. Cloudy brown water. No odor.
SWR-MW-1	5/30/2019	12.2	1.880	0.11	6.10	76	816	3	Water was cloudy with no odor. Well dry after 3 liters of purge. Let recharge then sampled.
SWR-MW-1	6/11/2020	13.8	1.590	0.80	6.59	-43	407	3.5	Water cloudy brown with no odor.
SWR-MW-1	5/19/2021	18.1	1.536	1.81	6.52	-37	31	1.2	Water cloudy brown with no odor.
SWR-MW-1	5/2/2022	10.44	1.8	0.65	7.24	25	18.9	6.5	-

Field parameters collected using a multi-parameter water quality meter equipped with a flow-thru cell during purging the well with a stainless steel bladder pump

(-) - No field parameters collected

Well MW-1 was found damaged by others on 5/19/2021 and is no longer able to be gauged or sampled and has been removed from the summary tables.



Table 3: Groundwater Data Summary. Lot 4- Austin Avenue and Prior Place BCP Site. Yonkers, NY

				Metals by EPA Methods 6020A and 7470A																		
				Aluminum	Aluminum (dissolved)	Antimony	Antimony (dissolved)	Arsenic	Arsenic (dissolved)	Barium	Barium (dissolved)	Beryllium	Beryllium (dissolved)	Cadmium	Cadmium (dissolved)	Calcium	Calcium (dissolved)	Chromium	Chromium (dissolved)	Cobalt	Cobalt (dissolved)	
Class GA Standards						3	3	25	25	1,000	1,000	3	3	5	5			50	50			
Sample ID	Date Sampled	LocCode	Sample Type	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MW-2A	4/12/2012	MW-2A		11,000	-	1.5	-	<5 U	-	151	-	0.3 J	-	<5 U	-	250,000	-	30	-	25	-	-
MW-2A~Duplicate	4/12/2012	MW-2A	DUP	11,000	-	1.5	-	<5 U	-	164	-	0.3 J	-	<5 U	-	300,000	-	30	-	28	-	-
MW-2A	5/17/2017	MW-2A		354	-	0.82 J	-	0.38 J	-	38.45	-	<0.5 U	-	0.11 J	-	300,000	-	1.35	-	19.48	-	-
MW-2A	11/14/2017	MW-2A		706	-	1.61 J	-	0.58	-	50.26	-	<0.5 U	-	0.08 J	-	378,000	-	2.63	-	18.70	-	-
MW-2A	6/4/2018	MW-2A		1,910	-	2.43 J	-	0.45 J	-	57.44	-	<0.5 U	-	0.1 J	-	296,000	-	5.71	-	22.34	-	-
MW-2A	5/19/2019	MW-2A		4,100	-	2.71 J	-	1.19	-	90.2	-	0.11 J	-	0.11 J	-	353,000	-	13.54	-	35.63	-	-
MW-2A	6/11/2020	MW-2A		2,180	-	0.8 J	-	0.93	-	51.43	-	<0.5 U	-	0.08 J	-	306,000	-	7.11	-	25.28	-	-
MW-2A	5/19/2021	MW-2A		18,400	5.47 J	1.07 J	<4 U	2.33	0.22 J	211.1	33.32	0.51	<0.5 U	0.19 J	0.06 J	244,000	303,000	<b>54.45</b>	0.26 J	100.8	9.3	-
WG-12582345-050222-RR-004	5/2/2022	MW-2A		550	11.6	1.05 J	0.50 J	0.52	<0.50 U	38.80	29.22	<0.50 U	<0.50 U	0.08 J	0.08 J	255,000	289,000	2.25	0.32 J	18.43	6.59	-
MW-2B	4/12/2012	MW-2B		400	-	0.6	-	<5 U	-	81	-	<0.5 U	-	<5 U	-	260,000	-	<10 U	-	6 J	-	-
MW-2B	5/17/2017	MW-2B		6.06 J	-	0.46 J	-	0.52	-	37.16	-	<0.5 U	-	<0.2 U	-	260,000	-	0.33 J	-	5.07	-	-
MW-2B~Duplicate	5/17/2017	MW-2B	DUP	5.38 J	-	<4 U	-	0.53	-	36.87	-	<0.5 U	-	<0.2 U	-	274,000	-	0.48 J	-	5.25	-	-
MW-2B	11/14/2017	MW-2B		9.80 J	-	<4 U	-	0.63	-	47.21	-	<0.5 U	-	<0.2 U	-	296,000	-	0.49 J	-	6.18	-	-
MW-2B	6/4/2018	MW-2B		28.3	-	0.45 J	-	0.29 J	-	42.25	-	<0.5 U	-	<0.2 U	-	269,000	-	0.62 J	-	5.31	-	-
MW-2B~Duplicate	6/4/2018	MW-2B	DUP	25.9	-	0.44 J	-	0.26 J	-	41.61	-	<0.5 U	-	<0.2 U	-	266,000	-	0.58 J	-	5.28	-	-
MW-2B	5/19/2019	MW-2B		86.5	-	<4 U	-	1.48	-	51.63	-	<0.5 U	-	<0.2 U	-	280,000	-	0.86 J	-	5.9	-	-
MW-2B~Duplicate	5/19/2019	MW-2B	DUP	85.4	-	<4 U	-	1.42	-	49.84	-	<0.5 U	-	<0.2 U	-	273,000	-	0.79 J	-	5.93	-	-
MW-2B	6/11/2020	MW-2B		82	-	<4 U	-	1.32	-	44.86	-	<0.5 U	-	<0.2 U	-	279,000	-	0.68	-	7.25	-	-
MW-2B~Duplicate	6/11/2020	MW-2B	DUP	75.5	-	<4 U	-	1.34	-	44.41	-	<0.5 U	-	<0.2 U	-	281,000	-	0.65 J	-	7.31	-	-
MW-2B	5/19/2021	MW-2B		25.9	5.13 J	0.48 J	<4 U	0.58	0.57	43.51	45.55	<0.5 U	<0.5 U	<0.2 U	<0.2 U	242,000	232,000	0.54 J	0.48 J	6.52	7.36	-
MW-2B~Duplicate	5/19/2021	MW-2B	DUP	19.1	4.74 J	<4 U	<4 U	0.67	0.54	42.18	43.07	<0.5 U	<0.5 U	<0.2 U	<0.2 U	202,000	229,000	0.44 J	0.46 J	5.89	7.21	-
WG-12582345-050222-RR-002	5/2/2022	MW-2B		138	137	<b>3.55 J</b>	<4.00 U	1.38	0.37 J	46.47	41.78	<0.50 U	<0.50 U	<0.20 U	<0.20 U	235,000	254,000	0.89 J	0.78 J	6.95	6.80	-
WG-12582345-050222-RR-003	5/2/2022	MW-2B	DUP	131	4.19 J	1.03 J	<4.00 U	1.25	<0.50 U	44.15	37.89	<0.50 U	<0.50 U	<0.20 U	<0.20 U	225,000	254,000	0.65 J	0.27 J	6.88	6.49	-
SWR-MW-1	4/12/2012	SWR-MW-1		25,000	-	0.6	-	<5 U	-	424	-	0.7	-	<5 U	-	120,000	-	<b>70</b>	-	26	-	-
SWR-MW-1	5/17/2017	SWR-MW-1		1,260	-	0.69 J	-	1.51	-	67.49	-	<0.5 U	-	0.21	-	62,200	-	3.32	-	4.04	-	-
SRW-MW1~Duplicate	11/1/2017	SWR-MW-1	DUP	37.1	-	<4 U	-	1.27	-	314.5	-	<0.5 U	-	<0.2 U	-	206,000	-	2.03	-	2.21	-	-
SWR-MW-1	11/14/2017	SWR-MW-1		33	-	<4 U	-	1.11	-	304.7	-	<0.5 U	-	<0.2 U	-	197,000	-	1.95	-	2.15	-	-
SWR-MW-1	6/4/2018	SWR-MW-1		13,600	-	<4 U	-	3.85	-	410.5	-	<0.5 U	-	0.88	-	204,000	-	<b>54.13</b>	-	22.25	-	-
SWR-MW-1	5/19/2019	SWR-MW-1		37,400	-	0.54 J	-	13.11	-	984.1	-	1.12	-	3	-	223,000	-	<b>197.2</b>	-	52.18	-	-
SWR-MW-1	6/11/2020	SWR-MW-1		9,600	-	0.63 J	-	2.65	-	391.9	-	0.22 J	-	0.53	-	164,000	-	32.14	-	10.6	-	-
SWR-MW-1	5/19/2021	SWR-MW-1		871	12.4	<4 U	<4 U	2.95	1.6	178.8	174.9	<0.5 U	<0.5 U	0.09 J	<0.2 U	128,000	144,000	4.96	2.07	8.25	4.77	-
WG-12582345-050222-RR-001	5/2/2022	SWR-MW-1		239	8.13 J	1.96 J	<4.00 U	0.68	<0.50 U	237.2	118.9	<0.50 U	<0.50 U	<0.20 U	<0.20 U	119,000	124,000	2.79	1.34	1.33	1.15	-

All values reported as ug/L (parts per billion)

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NS - No sample collected because well was dry during sampling event

R.L. - Laboratory reporting limit

( - ) - Indicates analyte was not analyzed for

U - Analyzed for but not detected above laboratory method detection limit

J - Estimated value detected between the laboratory method detection limit and laboratory reporting limit

Bold and thick outlined cells indicate an exceedance of applicable standards

Well MW-1 was found damaged by others on 5/19/2021 and is no longer able to be gauged or sampled and has been removed from the summary tables.



Table 3: Groundwater Data Summary. Lot 4- Austin Avenue and Prior Place BCP Site. Yonkers, NY

				Metals by EPA Methods 6020A and 7470A																		
				Copper	Copper (dissolved)	Iron	Iron (dissolved)	Lead	Lead (dissolved)	Magnesium	Magnesium (dissolved)	Manganese	Manganese (dissolved)	Mercury	Mercury (dissolved)	Nickel	Nickel (dissolved)	Potassium	Potassium (dissolved)	Selenium	Selenium (dissolved)	
Class GA Standards				200	200	300	300	25	25	35,000	35,000	300	300	0.7	0.7	100	100				10	10
Sample ID	Date Sampled	LocCode	Sample Type																			
MW-2A	4/12/2012	MW-2A		81	-	<b>16,000</b>	-	<b>44</b>	-	<b>52,000</b>	-	<b>2,530</b>	-	<0.2 U	-	34	-	26,000	-	5 J	-	
MW-2A~Duplicate	4/12/2012	MW-2A	DUP	94	-	<b>16,000</b>	-	<b>49</b>	-	<b>61,000</b>	-	<b>3,020</b>	-	<0.2 U	-	37	-	30,000	-	5 J	-	
MW-2A	5/17/2017	MW-2A		14.05	-	<b>603</b>	-	1.67	-	<b>58,600</b>	-	<b>1,554</b>	-	<0.2 U	-	6.9	-	23,000	-	<b>11.1</b>	-	
MW-2A	11/14/2017	MW-2A		12.23	-	<b>1,150</b>	-	1.89	-	<b>65,800</b>	-	<b>1,489</b>	-	<0.2 U	-	7.95	-	23,600	-	8.37	-	
MW-2A	6/4/2018	MW-2A		30.18	-	<b>3,080</b>	-	12.63	-	<b>56,000</b>	-	<b>1,637</b>	-	<0.2 U	-	11.09	-	20,500	-	8.42	-	
MW-2A	5/19/2019	MW-2A		47.19	-	<b>7,060</b>	-	20.83	-	<b>60,600</b>	-	<b>1,966</b>	-	<0.2 U	-	18.16	-	23,700	-	<b>11</b>	-	
MW-2A	6/11/2020	MW-2A		31.54	-	<b>3,530</b>	-	10.88	-	<b>54,500</b>	-	<b>1,509</b>	-	<0.2 U	-	14.51	-	20,600	-	9.81	-	
MW-2A	5/19/2021	MW-2A		129.8	13.59	<b>29,800</b>	37.6 J	<b>73.14</b>	0.35 J	<b>58,300</b>	<b>59,000</b>	<b>2,190</b>	<b>1,632</b>	<0.2 U	<0.2 U	59.67	5.96	22,900	22,600	8.84	7.67	
WG-12582345-050222-RR-004	5/2/2022	MW-2A		16.55	11.72	<b>1,020</b>	27.1 J	3.69	<1.00 U	<b>47,700</b>	<b>49,700</b>	<b>1,574</b>	<b>1,183</b>	<0.20 U	<0.20 U	7.31	4.84	20,300	21,000	7.02	6.44	
MW-2B	4/12/2012	MW-2B		<10 U	-	<b>8,300</b>	-	<10 U	-	<b>65,000</b>	-	<b>3,040</b>	-	<0.2 U	-	17 J	-	37,000	-	<10 U	-	
MW-2B	5/17/2017	MW-2B		1.49	-	<b>3,040</b>	-	<0.5 U	-	<b>60,900</b>	-	<b>2,413</b>	-	<0.2 U	-	14.64	-	26,200	-	<5 U	-	
MW-2B~Duplicate	5/17/2017	MW-2B	DUP	1.2	-	<b>3,030</b>	-	<0.5 U	-	<b>63,100</b>	-	<b>2,456</b>	-	<0.2 U	-	15.09	-	27,100	-	<5 U	-	
MW-2B	11/14/2017	MW-2B		0.86 J	-	<b>3,850</b>	-	<1 U	-	<b>67,700</b>	-	<b>2,722</b>	-	<0.2 U	-	16.06	-	27,700	-	<5 U	-	
MW-2B	6/4/2018	MW-2B		1.36	-	<b>3,630</b>	-	<1 U	-	<b>64,800</b>	-	<b>2,532</b>	-	<0.2 U	-	16.21	-	24,500	-	<5 U	-	
MW-2B~Duplicate	6/4/2018	MW-2B	DUP	1.1	-	<b>3,560</b>	-	<1 U	-	<b>64,000</b>	-	<b>2,510</b>	-	<0.2 U	-	16.29	-	24,400	-	<5 U	-	
MW-2B	5/19/2019	MW-2B		1.61	-	<b>4,900</b>	-	0.58 J	-	<b>67,100</b>	-	<b>2,590</b>	-	<0.2 U	-	19.52	-	28,400	-	3.02 J	-	
MW-2B~Duplicate	5/19/2019	MW-2B	DUP	1.49	-	<b>4,780</b>	-	0.57 J	-	<b>65,100</b>	-	<b>2,539</b>	-	<0.2 U	-	19.22	-	27,600	-	2.93 J	-	
MW-2B	6/11/2020	MW-2B		1.86	-	<b>4,350</b>	-	0.61 J	-	<b>67,100</b>	-	<b>2,914</b>	-	<0.2 U	-	27.7	-	26,500	-	2.34 J	-	
MW-2B~Duplicate	6/11/2020	MW-2B	DUP	1.51	-	<b>4,240</b>	-	0.59 J	-	<b>67,200</b>	-	<b>2,952</b>	-	<0.2 U	-	29.38	-	26,400	-	2.66 J	-	
MW-2B	5/19/2021	MW-2B		0.59 J	<1 U	<b>6,280</b>	<b>6,990</b>	<1 U	<1 U	<b>53,000</b>	<b>58,800</b>	<b>3,224</b>	<b>3,705</b>	<0.2 U	<0.2 U	11.31	11.91	25,400	25,200	<5 U	<5 U	
MW-2B~Duplicate	5/19/2021	MW-2B	DUP	0.82 J	<1 U	<b>6,010</b>	<b>6,900</b>	<1 U	<1 U	<b>52,900</b>	<b>57,600</b>	<b>2,566</b>	<b>3,583</b>	<0.2 U	<0.2 U	10.17	11.96	23,100	26,200	<5 U	<5 U	
WG-12582345-050222-RR-002	5/2/2022	MW-2B		1.17	1.32	<b>4,520</b>	<b>4,540</b>	1.24	1.53	<b>57,800</b>	<b>59,100</b>	<b>2,683</b>	<b>2,673</b>	<0.20 U	<0.20 U	26.30	25.00	23,100	23,000	3.24 J	<5.00 U	
WG-12582345-050222-RR-003	5/2/2022	MW-2B	DUP	1.28	<1.00 U	<b>4,360</b>	<b>714</b>	1.10	<1.00 U	<b>55,200</b>	<b>57,600</b>	<b>2,590</b>	<b>2,705</b>	<0.20 U	<0.20 U	26.41	23.66	22,200	23,400	2.88 J	<5.00 U	
SWR-MW-1	4/12/2012	SWR-MW-1		89	-	<b>80,000</b>	-	<b>54</b>	-	24,000	-	<b>1,600</b>	-	0.2	-	52	-	40,000	-	<10 U	-	
SWR-MW-1	5/17/2017	SWR-MW-1		11.52	-	<b>2,760</b>	-	5.21	-	9,370	-	<b>1,974</b>	-	<0.2 U	-	10.94	-	11,300	-	<5 U	-	
SRW-MW1~Duplicate	11/1/2017	SWR-MW-1	DUP	<1 U	-	<b>48,200</b>	-	<1 U	-	<b>41,600</b>	-	<b>3,271</b>	-	<0.2 U	-	1.97 J	-	48,100	-	<5 U	-	
SWR-MW-1	11/14/2017	SWR-MW-1		0.59 J	-	<b>45,700</b>	-	<1 U	-	<b>40,300</b>	-	<b>3,132</b>	-	0.1 J	-	2.17	-	46,100	-	<5 U	-	
SWR-MW-1	6/4/2018	SWR-MW-1		96.06	-	<b>76,300</b>	-	<b>33.38</b>	-	<b>41,400</b>	-	<b>8,459</b>	-	<0.2 U	-	56.1	-	40,800	-	<5 U	-	
SWR-MW-1	5/19/2019	SWR-MW-1		<b>247.4</b>	-	<b>105,000</b>	-	<b>146.4</b>	-	<b>60,500</b>	-	<b>7,788</b>	-	<0.2 U	-	<b>204.4</b>	-	71,100	-	<b>10.8</b>	-	
SWR-MW-1	6/11/2020	SWR-MW-1		52.04	-	<b>57,000</b>	-	20.4	-	<b>49,100</b>	-	<b>3,187</b>	-	<0.2 U	-	32.33	-	64,400	-	2.32 J	-	
SWR-MW-1	5/19/2021	SWR-MW-1		8.31	<1 U	<b>24,700</b>	<b>28,000</b>	3.5	<1 U	30,600	<b>38,000</b>	<b>4,391</b>	<b>4,076</b>	<0.2 U	<0.2 U	13.29	8.37	49,900	61,500	<5 U	<5 U	
WG-12582345-050222-RR-001	5/2/2022	SWR-MW-1		2.51	<1.00 U	<b>31,000</b>	<b>2,390</b>	0.93 J	<1.00 U	34,800	32,500	<b>2,521</b>	<b>2,581</b>	<0.20 U	<0.20 U	2.51	1.95 J	55,000	56,200	<5.00 U	<5.00 U	

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				Metals by EPA Methods 6020A and 7470A									
				Silver	Silver (dissolved)	Sodium	Sodium (dissolved)	Thallium	Thallium (dissolved)	Vanadium	Vanadium (dissolved)	Zinc	Zinc (dissolved)
				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Class GA Standards				50	50	20,000	20,000	0.5	0.5			2,000	2,000
Sample ID	Date Sampled	LocCode	Sample Type										
MW-2A	4/12/2012	MW-2A		<7 U	-	<b>43,000</b>	-	0.2 J	-	35	-	95	-
MW-2A~Duplicate	4/12/2012	MW-2A	DUP	<7 U	-	<b>51,000</b>	-	0.2 J	-	35	-	104	-
MW-2A	5/17/2017	MW-2A		<0.4 U	-	<b>44,300</b>	-	<0.5 U	-	<5 U	-	3.43 J	-
MW-2A	11/14/2017	MW-2A		<0.4 U	-	<b>50,900</b>	-	<0.5 U	-	3.09 J	-	6.33 J	-
MW-2A	6/4/2018	MW-2A		0.91 J	-	<b>33,000</b>	-	0.18 J	-	6.19	-	15.79	-
MW-2A	5/19/2019	MW-2A		0.37 J	-	<b>40,300</b>	-	0.27 J	-	16.73	-	28.23	-
MW-2A	6/11/2020	MW-2A		0.43	-	<b>28,800</b>	-	<0.5 U	-	7.52	-	37.22	-
MW-2A	5/19/2021	MW-2A		1.41	<0.4 U	<b>26,700</b>	<b>32,200</b>	0.41 J	<1 U	64.17	<5 U	108.5	3.81 J
WG-12582345-050222-RR-004	5/2/2022	MW-2A		<0.40 U	<0.40 U	<b>31,700</b>	<b>28,300</b>	<1.00 U	0.16 J	2.34 J	<5.00 U	6.44 J	<10.00 U
MW-2B	4/12/2012	MW-2B		<7 U	-	<b>46,000</b>	-	<0.5 U	-	<10 U	-	16 J	-
MW-2B	5/17/2017	MW-2B		<0.4 U	-	<b>41,700</b>	-	<0.5 U	-	<5 U	-	4.22 J	-
MW-2B~Duplicate	5/17/2017	MW-2B	DUP	<0.4 U	-	<b>43,400</b>	-	<0.5 U	-	<5 U	-	4.1 J	-
MW-2B	11/14/2017	MW-2B		<0.4 U	-	<b>46,400</b>	-	<0.5 U	-	<5 U	-	4.55 J	-
MW-2B	6/4/2018	MW-2B		0.35 J	-	<b>35,700</b>	-	<0.5 U	-	<5 U	-	<10 U	-
MW-2B~Duplicate	6/4/2018	MW-2B	DUP	0.28 J	-	<b>34,900</b>	-	<0.5 U	-	<5 U	-	<10 U	-
MW-2B	5/19/2019	MW-2B		<0.4 U	-	<b>47,300</b>	-	<0.5 U	-	<5 U	-	4.25 J	-
MW-2B~Duplicate	5/19/2019	MW-2B	DUP	<0.4 U	-	<b>46,600</b>	-	<0.5 U	-	<5 U	-	4.28 J	-
MW-2B	6/11/2020	MW-2B		<0.4 U	-	<b>40,000</b>	-	<0.5 U	-	<5 U	-	4.23 J	-
MW-2B~Duplicate	6/11/2020	MW-2B	DUP	<0.4 U	-	<b>40,200</b>	-	<0.5 U	-	<5 U	-	4 J	-
MW-2B	5/19/2021	MW-2B		<0.4 U	<0.4 U	<b>35,900</b>	<b>39,700</b>	0.2 J	0.2 J	<5 U	<5 U	31.36	4.35 J
MW-2B~Duplicate	5/19/2021	MW-2B	DUP	<0.4 U	<0.4 U	<b>36,600</b>	<b>39,600</b>	<1 U	<1 U	<5 U	<5 U	32.46	4.06 J
WG-12582345-050222-RR-002	5/2/2022	MW-2B		0.16 J	<0.40 U	<b>43,000</b>	<b>37,800</b>	<b>0.70 J</b>	0.38 J	<5.00 U	<5.00 U	4.17 J	6.93 J
WG-12582345-050222-RR-003	5/2/2022	MW-2B	DUP	0.33 J	<0.40 U	<b>41,500</b>	<b>37,800</b>	<1.00 U	0.19 J	<5.00 U	<5.00 U	4.05 J	3.68 J
SWR-MW-1	4/12/2012	SWR-MW-1		<7 U	-	<b>88,000</b>	-	<b>0.6</b>	-	74	-	155	-
SWR-MW-1	5/17/2017	SWR-MW-1		<0.4 U	-	6,550	-	<0.5 U	-	3.82 J	-	20.74	-
SWR-MW-1~Duplicate	11/1/2017	SWR-MW-1	DUP	<0.4 U	-	<b>120,000</b>	-	<0.5 U	-	1.58 J	-	<10 U	-
SWR-MW-1	11/14/2017	SWR-MW-1		<0.4 U	-	<b>116,000</b>	-	<0.5 U	-	1.69 J	-	<0 U	-
SWR-MW-1	6/4/2018	SWR-MW-1		1.61	-	<b>62,500</b>	-	<0.5 U	-	42.73	-	169.6	-
SWR-MW-1	5/19/2019	SWR-MW-1		2.78	-	<b>112,000</b>	-	<b>1.08</b>	-	129.6	-	492.3	-
SWR-MW-1	6/11/2020	SWR-MW-1		0.59	-	<b>161,000</b>	-	0.31 J	-	31.11	-	139.7	-
SWR-MW-1	5/19/2021	SWR-MW-1		<0.4 U	<0.4 U	<b>102,000</b>	<b>148,000</b>	<1 U	<1 U	2.99 J	<5 U	73.91	5.31 J
WG-12582345-050222-RR-001	5/2/2022	SWR-MW-1		<0.40 U	<0.40 U	<b>168,000</b>	<b>131,000</b>	<1.00 U	0.15 J	1.99 J	<5.00 U	9.53 J	3.42 J

All values reported as ug/L (parts per billion)

^ - New York Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values, NYSDEC, June 1998 (and subsequent addenda)

NS - No sample collected because well was dry during sampling event

R.L. - Laboratory reporting limit

( - ) - Indicates analyte was not analyzed for

U - Analyzed for but not detected above laboratory method detection limit

J - Estimated value detected between the laboratory method detection limit and laboratory reporting limit

Bold and thick outlined cells indicate an exceedance of applicable standards

Well MW-1 was found damaged by others on 5/19/2021 and is no longer able to be gauged or sampled and has been removed from the summary tables.

# Attachments

# **Attachment 1**

**Groundwater Field Sampling Logs**



### Groundwater Field Sampling Log

Site Name: Lot 4 - Austin Avenue and Prior Place BCP Site

Date: 5/2/2022

Project #: 12582345

Sampler(s): Rob R.

Sample ID: MW-2A

Sample Time: 16:00

#### Well Information:

Depth of Well (Top of PVC): 36.2 ft  
Initial Static Water Level (Top of PVC): 23.53 ft  
Depth to LNAPL/DNAPL (Top of PVC): \_\_\_\_\_  
LNAPL/DNAPL Thickness (inches): \_\_\_\_\_

#### Well Volume Calculation:

1 in. Casing: \_\_\_\_\_ ft. of water x .04 = \_\_\_\_\_ gallons  
2 in. Casing: 12.67 ft. of water x .16 = 1.92 gallons  
3 in. Casing: \_\_\_\_\_ ft. of water x .36 = \_\_\_\_\_ gallons  
4 in. Casing: \_\_\_\_\_ ft. of water x .64 = \_\_\_\_\_ gallons

#### Evacuation Method:

Submersible: \_\_\_\_\_ Centrifugal: \_\_\_\_\_  
Airlift: X Pos. Displ.: \_\_\_\_\_  
Bailer: \_\_\_\_\_ Ded. Pump: \_\_\_\_\_

Volume of Water Removed: 6.5 liters

Dry: yes  no

#### Field Tests:

	Units:		Units:
Temperature: <u>10.95</u>	°C	pH: <u>7.00</u>	units
Salinity: _____	%	ORP: <u>245</u>	mV
Spec. Cond.: <u>1.53</u>	mS/cm	Turbidity: <u>40.2</u>	NTU
Diss. Oxygen: <u>0.00</u>	mg/L	PID: _____	ppm

#### Sampling Method:

Stainless Bailer: \_\_\_\_\_  
Teflon Bailer: \_\_\_\_\_  
Pos. Disp. Pump: \_\_\_\_\_  
Dis. Bailer: \_\_\_\_\_  
Ded. Pump: \_\_\_\_\_  
Other: X Bladder Pump

#### Analysis:

TAL Metals  
Diss. Metals  
\_\_\_\_\_  
\_\_\_\_\_

#### Observations:

Weather: Cloudy and rain

Physical Appearance and Odor of Sample: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Additional Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



### Groundwater Field Sampling Log

Site Name: Lot 4 - Austin Avenue and Prior Place BCP Site

Date: 5/2/2022

Project #: 12582345

Sampler(s): Rob R.

Sample ID: MW-2B

Sample Time: 14:10

**Well Information:**

Depth of Well (Top of PVC): 55.3 ft  
Initial Static Water Level (Top of PVC): 24.03 ft  
Depth to LNAPL/DNAPL (Top of PVC): \_\_\_\_\_  
LNAPL/DNAPL Thickness (inches): \_\_\_\_\_

**Well Volume Calculation:**

1 in. Casing: \_\_\_\_\_ ft. of water x .04 = \_\_\_\_\_ gallons  
2 in. Casing: 31.27 ft. of water x .16 = 4.83 gallons  
3 in. Casing: \_\_\_\_\_ ft. of water x .36 = \_\_\_\_\_ gallons  
4 in. Casing: \_\_\_\_\_ ft. of water x .64 = \_\_\_\_\_ gallons

**Evacuation Method:**

Submersible: \_\_\_\_\_ Centrifugal: \_\_\_\_\_  
Airlift: X Pos. Displ.: \_\_\_\_\_  
Bailer: \_\_\_\_\_ Ded. Pump: \_\_\_\_\_

Volume of Water Removed: 3.5 liters

Dry: yes  no

**Field Tests:**

	Units:		Units:
Temperature:	<u>11.11</u> °C	pH:	<u>7.25</u> units
Salinity:	_____ %	ORP:	<u>117.0</u> mV
Spec. Cond.:	<u>1.54</u> mS/cm	Turbidity:	<u>11.9</u> NTU
Diss. Oxygen:	<u>1.68</u> mg/L	PID:	_____ ppm

**Sampling Method:**

Stainless Bailer: \_\_\_\_\_  
Teflon Bailer: \_\_\_\_\_  
Pos. Disp. Pump: \_\_\_\_\_  
Dis. Bailer: \_\_\_\_\_  
Ded. Pump: \_\_\_\_\_  
Other: X Bladder Pump

**Analysis:**

TAL Metals  
Diss. Metals  
\_\_\_\_\_  
\_\_\_\_\_

**Observations:**

Weather: Cloudy and rain  
Physical Appearance and Odor of Sample: \_\_\_\_\_  
\_\_\_\_\_

Additional Comments: Collected blind field duplicate sample from this location at 14:25  
Collected MS/MSD sample from this location  
\_\_\_\_\_  
\_\_\_\_\_



### Groundwater Field Sampling Log

Site Name: Lot 4 - Austin Avenue and Prior Place BCP Site

Date: 5/2/2022

Project #: 12582345

Sampler(s): Rob R.

Sample ID: SWR-MW-1

Sample Time: 9:55

#### Well Information:

Depth of Well (Top of PVC): 42.9 ft  
Initial Static Water Level (Top of PVC): 38.08 ft  
Depth to LNAPL/DNAPL (Top of PVC): \_\_\_\_\_  
LNAPL/DNAPL Thickness (inches): \_\_\_\_\_

#### Well Volume Calculation:

1 in. Casing: \_\_\_\_\_ ft. of water x .04 = \_\_\_\_\_ gallons  
2 in. Casing: 4.82 ft. of water x .16 = 0.78 gallons  
3 in. Casing: \_\_\_\_\_ ft. of water x .36 = \_\_\_\_\_ gallons  
4 in. Casing: \_\_\_\_\_ ft. of water x .64 = \_\_\_\_\_ gallons

#### Evacuation Method:

Submersible: \_\_\_\_\_ Centrifugal: \_\_\_\_\_  
Airlift: X Pos. Displ.: \_\_\_\_\_  
Bailer: \_\_\_\_\_ Ded. Pump: \_\_\_\_\_

Volume of Water Removed: 6.5 liters

Dry: yes  no

#### Field Tests:

	Units:		Units:
Temperature: <u>10.44</u>	°C	pH: <u>7.24</u>	units
Salinity: _____	%	ORP: <u>25.0</u>	mV
Spec. Cond.: <u>1.8</u>	mS/cm	Turbidity: <u>18.9</u>	NTU
Diss. Oxygen: <u>0.65</u>	mg/L	PID: _____	ppm

#### Sampling Method:

Stainless Bailer: \_\_\_\_\_  
Teflon Bailer: \_\_\_\_\_  
Pos. Disp. Pump: \_\_\_\_\_  
Dis. Bailer: \_\_\_\_\_  
Ded. Pump: \_\_\_\_\_  
Other: X Bladder Pump

#### Analysis:

TAL Metals  
Diss. Metals  
\_\_\_\_\_  
\_\_\_\_\_

#### Observations:

Weather: Cloudy and rain

Physical Appearance and Odor of Sample: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Additional Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# **Attachment 2**

**Laboratory Analytical Report**



## ANALYTICAL REPORT

Lab Number:	L2222971
Client:	GHD, Inc. 5788 Widewaters Pkwy Syracuse, NY 13214
ATTN:	Ian McNamara
Phone:	(315) 802-0312
Project Name:	MORRIS LOT 4 AUSTIN AVE AND PI
Project Number:	12582345
Report Date:	06/01/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)





**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI  
**Project Number:** 12582345

**Lab Number:** L2222971  
**Report Date:** 06/01/22

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2222971-01	WG-12582345-050222-RR-001	WATER	STEW LEONARD DRIVE YONKERS	05/02/22 09:55	05/03/22
L2222971-02	WG-12582345-050222-RR-002	WATER	STEW LEONARD DRIVE YONKERS	05/02/22 14:10	05/03/22
L2222971-03	WG-12582345-050222-RR-003	WATER	STEW LEONARD DRIVE YONKERS	05/02/22 14:25	05/03/22
L2222971-04	WG-12582345-050222-RR-004	WATER	STEW LEONARD DRIVE YONKERS	05/02/22 16:00	05/03/22

**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI  
**Project Number:** 12582345

**Lab Number:** L2222971  
**Report Date:** 06/01/22

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

---

**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI  
**Project Number:** 12582345

**Lab Number:** L2222971  
**Report Date:** 06/01/22

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Total Metals

The WG1639892-3/-4 MS/MSD recoveries for calcium (0%/0%), iron (72%/MS), magnesium (56%/43%), manganese (64%/60%) and sodium (0%/0%), performed on L2222971-02, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1639892-4 MSD recovery, performed on L2222971-02, is outside the acceptance criteria for potassium (65%). A post digestion spike was performed and was within acceptance criteria.

#### Dissolved Metals

The WG1641840-3 MS recovery for calcium (135%), performed on L2222971-02, does not apply because the sample concentration is greater than four times the spike amount added.

#### Dissolved Mercury

L2222971-01 through -04: The sample was analyzed with the method required holding time exceeded.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Caitlin Walukevich

Title: Technical Director/Representative

Date: 06/01/22

## METALS

**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI  
**Project Number:** 12582345

**Lab Number:** L2222971  
**Report Date:** 06/01/22

**SAMPLE RESULTS**

Lab ID: L2222971-01  
 Client ID: WG-12582345-050222-RR-001  
 Sample Location: STEW LEONARD DRIVE YONKERS

Date Collected: 05/02/22 09:55  
 Date Received: 05/03/22  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	0.239		mg/l	0.0100	0.00327	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Antimony, Total	0.00196	J	mg/l	0.00400	0.00042	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00068		mg/l	0.00050	0.00016	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Barium, Total	0.2372		mg/l	0.00050	0.00017	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Calcium, Total	119.		mg/l	0.100	0.0394	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Chromium, Total	0.00279		mg/l	0.00100	0.00017	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00133		mg/l	0.00050	0.00016	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Copper, Total	0.00251		mg/l	0.00100	0.00038	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Iron, Total	31.0		mg/l	0.0500	0.0191	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Lead, Total	0.00093	J	mg/l	0.00100	0.00034	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Magnesium, Total	34.8		mg/l	0.0700	0.0242	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Manganese, Total	2.521		mg/l	0.00100	0.00044	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/19/22 21:25	05/20/22 08:34	EPA 7470A	1,7470A	DMB
Nickel, Total	0.00251		mg/l	0.00200	0.00055	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Potassium, Total	55.0		mg/l	0.100	0.0309	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Sodium, Total	168.		mg/l	0.100	0.0293	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Vanadium, Total	0.00199	J	mg/l	0.00500	0.00157	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD
Zinc, Total	0.00953	J	mg/l	0.01000	0.00341	1	05/19/22 18:02	05/20/22 16:59	EPA 3005A	1,6020B	CD

**Dissolved Metals - Mansfield Lab**

Aluminum, Dissolved	0.00813	J	mg/l	0.0100	0.00327	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Barium, Dissolved	0.1189		mg/l	0.00050	0.00017	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV



**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI**Lab Number:** L2222971**Project Number:** 12582345**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2222971-01

Date Collected: 05/02/22 09:55

Client ID: WG-12582345-050222-RR-001

Date Received: 05/03/22

Sample Location: STEW LEONARD DRIVE YONKERS

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Calcium, Dissolved	124.		mg/l	0.100	0.0394	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Chromium, Dissolved	0.00134		mg/l	0.00100	0.00017	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Cobalt, Dissolved	0.00115		mg/l	0.00050	0.00016	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Iron, Dissolved	2.39		mg/l	0.0500	0.0191	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Magnesium, Dissolved	32.5		mg/l	0.0700	0.0242	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Manganese, Dissolved	2.581		mg/l	0.00100	0.00044	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/28/22 11:47	05/31/22 15:23	EPA 7470A	1,7470A	DMB
Nickel, Dissolved	0.00195	J	mg/l	0.00200	0.00055	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Potassium, Dissolved	56.2		mg/l	0.100	0.0309	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Sodium, Dissolved	131.		mg/l	0.100	0.0293	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Thallium, Dissolved	0.00015	J	mg/l	0.00100	0.00014	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV
Zinc, Dissolved	0.00342	J	mg/l	0.01000	0.00341	1	05/25/22 09:42	05/25/22 15:52	EPA 3005A	1,6020B	SV



**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI  
**Project Number:** 12582345

**Lab Number:** L2222971  
**Report Date:** 06/01/22

**SAMPLE RESULTS**

Lab ID: L2222971-02  
 Client ID: WG-12582345-050222-RR-002  
 Sample Location: STEW LEONARD DRIVE YONKERS

Date Collected: 05/02/22 14:10  
 Date Received: 05/03/22  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	0.138		mg/l	0.0100	0.00327	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Antimony, Total	0.00355	J	mg/l	0.00400	0.00042	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00138		mg/l	0.00050	0.00016	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Barium, Total	0.04647		mg/l	0.00050	0.00017	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Calcium, Total	235.		mg/l	0.100	0.0394	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Chromium, Total	0.00089	J	mg/l	0.00100	0.00017	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00695		mg/l	0.00050	0.00016	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Copper, Total	0.00117		mg/l	0.00100	0.00038	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Iron, Total	4.52		mg/l	0.0500	0.0191	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Lead, Total	0.00124		mg/l	0.00100	0.00034	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Magnesium, Total	57.8		mg/l	0.0700	0.0242	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Manganese, Total	2.683		mg/l	0.00100	0.00044	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/19/22 21:25	05/20/22 07:58	EPA 7470A	1,7470A	DMB
Nickel, Total	0.02630		mg/l	0.00200	0.00055	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Potassium, Total	23.1		mg/l	0.100	0.0309	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Selenium, Total	0.00324	J	mg/l	0.00500	0.00173	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Silver, Total	0.00016	J	mg/l	0.00040	0.00016	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Sodium, Total	43.0		mg/l	0.100	0.0293	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Thallium, Total	0.00070	J	mg/l	0.00100	0.00014	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD
Zinc, Total	0.00417	J	mg/l	0.01000	0.00341	1	05/19/22 18:02	05/20/22 14:30	EPA 3005A	1,6020B	CD

**Dissolved Metals - Mansfield Lab**

Aluminum, Dissolved	0.137		mg/l	0.0100	0.00327	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Arsenic, Dissolved	0.00037	J	mg/l	0.00050	0.00016	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Barium, Dissolved	0.04178		mg/l	0.00050	0.00017	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV



**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI**Lab Number:** L2222971**Project Number:** 12582345**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2222971-02

Date Collected: 05/02/22 14:10

Client ID: WG-12582345-050222-RR-002

Date Received: 05/03/22

Sample Location: STEW LEONARD DRIVE YONKERS

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Calcium, Dissolved	254.		mg/l	0.100	0.0394	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Chromium, Dissolved	0.00078	J	mg/l	0.00100	0.00017	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Cobalt, Dissolved	0.00680		mg/l	0.00050	0.00016	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Copper, Dissolved	0.00132		mg/l	0.00100	0.00038	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Iron, Dissolved	4.54		mg/l	0.0500	0.0191	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Lead, Dissolved	0.00153		mg/l	0.00100	0.00034	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Magnesium, Dissolved	59.1		mg/l	0.0700	0.0242	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Manganese, Dissolved	2.673		mg/l	0.00100	0.00044	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/28/22 11:47	05/31/22 15:13	EPA 7470A	1,7470A	DMB
Nickel, Dissolved	0.02500		mg/l	0.00200	0.00055	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Potassium, Dissolved	23.0		mg/l	0.100	0.0309	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Sodium, Dissolved	37.8		mg/l	0.100	0.0293	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Thallium, Dissolved	0.00038	J	mg/l	0.00100	0.00014	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV
Zinc, Dissolved	0.00693	J	mg/l	0.01000	0.00341	1	05/25/22 09:42	05/25/22 15:47	EPA 3005A	1,6020B	SV





**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI  
**Project Number:** 12582345

**Lab Number:** L2222971  
**Report Date:** 06/01/22

**SAMPLE RESULTS**

Lab ID: L2222971-03  
 Client ID: WG-12582345-050222-RR-003  
 Sample Location: STEW LEONARD DRIVE YONKERS

Date Collected: 05/02/22 14:25  
 Date Received: 05/03/22  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	0.131		mg/l	0.0100	0.00327	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Antimony, Total	0.00103	J	mg/l	0.00400	0.00042	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00125		mg/l	0.00050	0.00016	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Barium, Total	0.04415		mg/l	0.00050	0.00017	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Calcium, Total	225.		mg/l	0.100	0.0394	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Chromium, Total	0.00065	J	mg/l	0.00100	0.00017	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00688		mg/l	0.00050	0.00016	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Copper, Total	0.00128		mg/l	0.00100	0.00038	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Iron, Total	4.36		mg/l	0.0500	0.0191	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Lead, Total	0.00110		mg/l	0.00100	0.00034	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Magnesium, Total	55.2		mg/l	0.0700	0.0242	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Manganese, Total	2.590		mg/l	0.00100	0.00044	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/19/22 21:25	05/20/22 08:37	EPA 7470A	1,7470A	DMB
Nickel, Total	0.02641		mg/l	0.00200	0.00055	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Potassium, Total	22.2		mg/l	0.100	0.0309	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Selenium, Total	0.00288	J	mg/l	0.00500	0.00173	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Silver, Total	0.00033	J	mg/l	0.00040	0.00016	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Sodium, Total	41.5		mg/l	0.100	0.0293	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
Zinc, Total	0.00405	J	mg/l	0.01000	0.00341	1	05/19/22 18:02	05/20/22 17:04	EPA 3005A	1,6020B	CD
<b>Dissolved Metals - Mansfield Lab</b>											
Aluminum, Dissolved	0.00419	J	mg/l	0.0100	0.00327	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Barium, Dissolved	0.03789		mg/l	0.00050	0.00017	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV



**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI**Lab Number:** L2222971**Project Number:** 12582345**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2222971-03

Date Collected: 05/02/22 14:25

Client ID: WG-12582345-050222-RR-003

Date Received: 05/03/22

Sample Location: STEW LEONARD DRIVE YONKERS

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Calcium, Dissolved	254.		mg/l	0.100	0.0394	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Chromium, Dissolved	0.00027	J	mg/l	0.00100	0.00017	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Cobalt, Dissolved	0.00649		mg/l	0.00050	0.00016	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Iron, Dissolved	0.714		mg/l	0.0500	0.0191	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Magnesium, Dissolved	57.6		mg/l	0.0700	0.0242	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Manganese, Dissolved	2.705		mg/l	0.00100	0.00044	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/28/22 11:47	05/31/22 15:26	EPA 7470A	1,7470A	DMB
Nickel, Dissolved	0.02366		mg/l	0.00200	0.00055	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Potassium, Dissolved	23.4		mg/l	0.100	0.0309	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Sodium, Dissolved	37.8		mg/l	0.100	0.0293	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Thallium, Dissolved	0.00019	J	mg/l	0.00100	0.00014	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV
Zinc, Dissolved	0.00368	J	mg/l	0.01000	0.00341	1	05/25/22 09:42	05/25/22 15:57	EPA 3005A	1,6020B	SV



**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI  
**Project Number:** 12582345

**Lab Number:** L2222971  
**Report Date:** 06/01/22

**SAMPLE RESULTS**

Lab ID: L2222971-04  
 Client ID: WG-12582345-050222-RR-004  
 Sample Location: STEW LEONARD DRIVE YONKERS

Date Collected: 05/02/22 16:00  
 Date Received: 05/03/22  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	0.550		mg/l	0.0100	0.00327	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Antimony, Total	0.00105	J	mg/l	0.00400	0.00042	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00052		mg/l	0.00050	0.00016	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Barium, Total	0.03880		mg/l	0.00050	0.00017	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Cadmium, Total	0.00008	J	mg/l	0.00020	0.00005	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Calcium, Total	255.		mg/l	0.100	0.0394	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Chromium, Total	0.00225		mg/l	0.00100	0.00017	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Cobalt, Total	0.01843		mg/l	0.00050	0.00016	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Copper, Total	0.01655		mg/l	0.00100	0.00038	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Iron, Total	1.02		mg/l	0.0500	0.0191	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Lead, Total	0.00369		mg/l	0.00100	0.00034	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Magnesium, Total	47.7		mg/l	0.0700	0.0242	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Manganese, Total	1.574		mg/l	0.00100	0.00044	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/19/22 21:25	05/20/22 08:41	EPA 7470A	1,7470A	DMB
Nickel, Total	0.00731		mg/l	0.00200	0.00055	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Potassium, Total	20.3		mg/l	0.100	0.0309	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Selenium, Total	0.00702		mg/l	0.00500	0.00173	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Sodium, Total	31.7		mg/l	0.100	0.0293	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Vanadium, Total	0.00234	J	mg/l	0.00500	0.00157	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
Zinc, Total	0.00644	J	mg/l	0.01000	0.00341	1	05/19/22 18:02	05/20/22 17:09	EPA 3005A	1,6020B	CD
<b>Dissolved Metals - Mansfield Lab</b>											
Aluminum, Dissolved	0.0116		mg/l	0.0100	0.00327	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Antimony, Dissolved	0.00050	J	mg/l	0.00400	0.00042	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Barium, Dissolved	0.02922		mg/l	0.00050	0.00017	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV



**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI**Lab Number:** L2222971**Project Number:** 12582345**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2222971-04

Date Collected: 05/02/22 16:00

Client ID: WG-12582345-050222-RR-004

Date Received: 05/03/22

Sample Location: STEW LEONARD DRIVE YONKERS

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	0.00008	J	mg/l	0.00020	0.00005	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Calcium, Dissolved	289.		mg/l	0.100	0.0394	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Chromium, Dissolved	0.00032	J	mg/l	0.00100	0.00017	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Cobalt, Dissolved	0.00659		mg/l	0.00050	0.00016	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Copper, Dissolved	0.01172		mg/l	0.00100	0.00038	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Iron, Dissolved	0.0271	J	mg/l	0.0500	0.0191	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Magnesium, Dissolved	49.7		mg/l	0.0700	0.0242	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Manganese, Dissolved	1.183		mg/l	0.00100	0.00044	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/28/22 11:47	05/31/22 15:30	EPA 7470A	1,7470A	DMB
Nickel, Dissolved	0.00484		mg/l	0.00200	0.00055	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Potassium, Dissolved	21.0		mg/l	0.100	0.0309	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Selenium, Dissolved	0.00644		mg/l	0.00500	0.00173	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Sodium, Dissolved	28.3		mg/l	0.100	0.0293	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Thallium, Dissolved	0.00016	J	mg/l	0.00100	0.00014	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/25/22 09:42	05/25/22 16:02	EPA 3005A	1,6020B	SV



**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI  
**Project Number:** 12582345

**Lab Number:** L2222971  
**Report Date:** 06/01/22

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst	
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1639892-1										
Aluminum, Total	ND	mg/l	0.0100	0.00327	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Antimony, Total	ND	mg/l	0.00400	0.00042	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Arsenic, Total	ND	mg/l	0.00050	0.00016	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Barium, Total	ND	mg/l	0.00050	0.00017	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Beryllium, Total	ND	mg/l	0.00050	0.00010	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Cadmium, Total	ND	mg/l	0.00020	0.00005	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Calcium, Total	ND	mg/l	0.100	0.0394	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Chromium, Total	ND	mg/l	0.00100	0.00017	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Cobalt, Total	ND	mg/l	0.00050	0.00016	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Copper, Total	ND	mg/l	0.00100	0.00038	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Iron, Total	ND	mg/l	0.0500	0.0191	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Lead, Total	ND	mg/l	0.00100	0.00034	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Magnesium, Total	ND	mg/l	0.0700	0.0242	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Manganese, Total	ND	mg/l	0.00100	0.00044	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Nickel, Total	ND	mg/l	0.00200	0.00055	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Potassium, Total	ND	mg/l	0.100	0.0309	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Selenium, Total	ND	mg/l	0.00500	0.00173	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Silver, Total	ND	mg/l	0.00040	0.00016	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Sodium, Total	ND	mg/l	0.100	0.0293	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Thallium, Total	0.00018	J	mg/l	0.00100	0.00014	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD
Vanadium, Total	ND	mg/l	0.00500	0.00157	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	
Zinc, Total	ND	mg/l	0.01000	0.00341	1	05/19/22 18:02	05/20/22 13:53	1,6020B	CD	

### Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1639895-1									
Mercury, Total	ND	mg/l	0.00020	0.00009	1	05/19/22 21:25	05/20/22 07:51	1,7470A	DMB



**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI  
**Project Number:** 12582345

**Lab Number:** L2222971  
**Report Date:** 06/01/22

## Method Blank Analysis Batch Quality Control

### Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1641840-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Antimony, Dissolved	0.00060	J	mg/l	0.00400	0.00042	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Sodium, Dissolved	0.0407	J	mg/l	0.100	0.0293	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Thallium, Dissolved	0.00015	J	mg/l	0.00100	0.00014	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/25/22 09:42	05/25/22 14:34	1,6020B	SV

### Prep Information

Digestion Method: EPA 3005A



Project Name: MORRIS LOT 4 AUSTIN AVE AND PI

Lab Number: L2222971

Project Number: 12582345

Report Date: 06/01/22

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1642336-1									
Mercury, Dissolved	ND	mg/l	0.00020	0.00009	1	05/28/22 11:47	05/31/22 15:00	1,7470A	DMB

### Prep Information

Digestion Method: EPA 7470A

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI

**Lab Number:** L2222971

**Project Number:** 12582345

**Report Date:** 06/01/22

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1639892-2								
Aluminum, Total	102		-		80-120	-		
Antimony, Total	87		-		80-120	-		
Arsenic, Total	108		-		80-120	-		
Barium, Total	100		-		80-120	-		
Beryllium, Total	108		-		80-120	-		
Cadmium, Total	102		-		80-120	-		
Calcium, Total	99		-		80-120	-		
Chromium, Total	101		-		80-120	-		
Cobalt, Total	99		-		80-120	-		
Copper, Total	100		-		80-120	-		
Iron, Total	104		-		80-120	-		
Lead, Total	104		-		80-120	-		
Magnesium, Total	105		-		80-120	-		
Manganese, Total	104		-		80-120	-		
Nickel, Total	102		-		80-120	-		
Potassium, Total	103		-		80-120	-		
Selenium, Total	112		-		80-120	-		
Silver, Total	102		-		80-120	-		
Sodium, Total	102		-		80-120	-		
Thallium, Total	101		-		80-120	-		
Vanadium, Total	101		-		80-120	-		



## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI

**Project Number:** 12582345

**Lab Number:** L2222971

**Report Date:** 06/01/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1639892-2					
Zinc, Total	99	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1639895-2					
Mercury, Total	97	-	80-120	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI  
**Project Number:** 12582345

**Lab Number:** L2222971  
**Report Date:** 06/01/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1641840-2					
Aluminum, Dissolved	98	-	80-120	-	
Antimony, Dissolved	89	-	80-120	-	
Arsenic, Dissolved	106	-	80-120	-	
Barium, Dissolved	104	-	80-120	-	
Beryllium, Dissolved	111	-	80-120	-	
Cadmium, Dissolved	104	-	80-120	-	
Calcium, Dissolved	97	-	80-120	-	
Chromium, Dissolved	96	-	80-120	-	
Cobalt, Dissolved	93	-	80-120	-	
Copper, Dissolved	93	-	80-120	-	
Iron, Dissolved	101	-	80-120	-	
Lead, Dissolved	107	-	80-120	-	
Magnesium, Dissolved	108	-	80-120	-	
Manganese, Dissolved	99	-	80-120	-	
Nickel, Dissolved	95	-	80-120	-	
Potassium, Dissolved	106	-	80-120	-	
Selenium, Dissolved	109	-	80-120	-	
Silver, Dissolved	105	-	80-120	-	
Sodium, Dissolved	104	-	80-120	-	
Thallium, Dissolved	107	-	80-120	-	
Vanadium, Dissolved	97	-	80-120	-	

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI

**Project Number:** 12582345

**Lab Number:** L2222971

**Report Date:** 06/01/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1641840-2					
Zinc, Dissolved	92	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1642336-2					
Mercury, Dissolved	95	-	80-120	-	

### Matrix Spike Analysis Batch Quality Control

**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI  
**Project Number:** 12582345

**Lab Number:** L2222971  
**Report Date:** 06/01/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1639892-3 WG1639892-4 QC Sample: L2222971-02 Client ID: WG-12582345-050222-RR-002												
Aluminum, Total	0.138	2	2.12	99		2.09	98		75-125	1		20
Antimony, Total	0.00355J	0.5	0.4816	96		0.4147	83		75-125	15		20
Arsenic, Total	0.00138	0.12	0.1280	106		0.1274	105		75-125	0		20
Barium, Total	0.04647	2	1.992	97		1.987	97		75-125	0		20
Beryllium, Total	ND	0.05	0.05563	111		0.04840	97		75-125	14		20
Cadmium, Total	ND	0.053	0.05160	97		0.05122	97		75-125	1		20
Calcium, Total	235.	10	227	0	Q	222	0	Q	75-125	2		20
Chromium, Total	0.00089J	0.2	0.1914	96		0.1908	95		75-125	0		20
Cobalt, Total	0.00695	0.5	0.4728	93		0.4764	94		75-125	1		20
Copper, Total	0.00117	0.25	0.2370	94		0.2338	93		75-125	1		20
Iron, Total	4.52	1	5.24	72	Q	5.35	83		75-125	2		20
Lead, Total	0.00124	0.53	0.5370	101		0.5357	101		75-125	0		20
Magnesium, Total	57.8	10	63.4	56	Q	62.1	43	Q	75-125	2		20
Manganese, Total	2.683	0.5	3.001	64	Q	2.983	60	Q	75-125	1		20
Nickel, Total	0.02630	0.5	0.5078	96		0.5037	95		75-125	1		20
Potassium, Total	23.1	10	30.6	75		29.6	65	Q	75-125	3		20
Selenium, Total	0.00324J	0.12	0.136	113		0.133	111		75-125	2		20
Silver, Total	0.00016J	0.05	0.04933	99		0.04970	99		75-125	1		20
Sodium, Total	43.0	10	42.6	0	Q	42.6	0	Q	75-125	0		20
Thallium, Total	0.00070J	0.12	0.1183	98		0.1289	107		75-125	9		20
Vanadium, Total	ND	0.5	0.4755	95		0.4770	95		75-125	0		20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI  
**Project Number:** 12582345

**Lab Number:** L2222971  
**Report Date:** 06/01/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 12582345-050222-RR-002 QC Batch ID: WG1639892-3 WG1639892-4 QC Sample: L2222971-02 Client ID: WG-									
Zinc, Total	0.00417J	0.5	0.4723	94	0.4686	94	75-125	1	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 12582345-050222-RR-002 QC Batch ID: WG1639895-3 WG1639895-4 QC Sample: L2222971-02 Client ID: WG-									
Mercury, Total	ND	0.005	0.00505	101	0.00458	92	75-125	10	20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI  
**Project Number:** 12582345

**Lab Number:** L2222971  
**Report Date:** 06/01/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1641840-3 WG1641840-4 QC Sample: L2222971-02 Client ID: WG-12582345-050222-RR-002									
Aluminum, Dissolved	0.137	4	4.09	99	4.06	98	75-125	1	20
Antimony, Dissolved	ND	1	0.9615	96	0.9602	96	75-125	0	20
Arsenic, Dissolved	0.00037J	0.24	0.2633	110	0.2566	107	75-125	3	20
Barium, Dissolved	0.04178	4	4.158	103	4.183	104	75-125	1	20
Beryllium, Dissolved	ND	0.1	0.1071	107	0.1034	103	75-125	4	20
Cadmium, Dissolved	ND	0.106	0.1102	104	0.1102	104	75-125	0	20
Calcium, Dissolved	254.	20	281	135	Q 273	95	75-125	3	20
Chromium, Dissolved	0.00078J	0.4	0.3948	99	0.3924	98	75-125	1	20
Cobalt, Dissolved	0.00680	1	0.9673	96	0.9573	95	75-125	1	20
Copper, Dissolved	0.00132	0.5	0.4811	96	0.4703	94	75-125	2	20
Iron, Dissolved	4.54	2	6.94	120	7.03	124	75-125	1	20
Lead, Dissolved	0.00153	1.06	1.130	106	1.109	104	75-125	2	20
Magnesium, Dissolved	59.1	20	79.4	102	80.3	106	75-125	1	20
Manganese, Dissolved	2.673	1	3.720	105	3.765	109	75-125	1	20
Nickel, Dissolved	0.02500	1	1.004	98	0.9912	97	75-125	1	20
Potassium, Dissolved	23.0	20	46.8	119	45.4	112	75-125	3	20
Selenium, Dissolved	ND	0.24	0.261	109	0.261	109	75-125	0	20
Silver, Dissolved	ND	0.1	0.1047	105	0.1049	105	75-125	0	20
Sodium, Dissolved	37.8	20	56.7	94	57.1	96	75-125	1	20
Thallium, Dissolved	0.00038J	0.24	0.2592	108	0.2540	106	75-125	2	20
Vanadium, Dissolved	ND	1	1.002	100	0.9976	100	75-125	0	20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI  
**Project Number:** 12582345

**Lab Number:** L2222971  
**Report Date:** 06/01/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1641840-3 WG1641840-4 QC Sample: L2222971-02 Client ID: WG-12582345-050222-RR-002									
Zinc, Dissolved	0.00693J	1	0.9320	93	0.9176	92	75-125	2	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1642336-3 WG1642336-4 QC Sample: L2222971-02 Client ID: WG-12582345-050222-RR-002									
Mercury, Dissolved	ND	0.005	0.00464	93	0.00483	97	75-125	4	20

**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI  
**Project Number:** 12582345

**Lab Serial Dilution  
 Analysis  
 Batch Quality Control**

**Lab Number:** L2222971  
**Report Date:** 06/01/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
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Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1639892-6 QC Sample: L2222971-02 Client ID: WG-12582345-050222-RR-002

Barium, Total	0.04647	0.04326	mg/l	7		20
Calcium, Total	235.	231.	mg/l	2		20
Iron, Total	4.52	4.40	mg/l	3		20
Magnesium, Total	57.8	56.2	mg/l	3		20
Manganese, Total	2.683	2.639	mg/l	2		20
Potassium, Total	23.1	21.8	mg/l	6		20
Sodium, Total	43.0	35.0	mg/l	19		20

Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1641840-6 QC Sample: L2222971-02 Client ID: WG-12582345-050222-RR-002

Barium, Dissolved	0.04178	0.04316	mg/l	3		20
Calcium, Dissolved	254.	248.	mg/l	2		20
Iron, Dissolved	4.54	4.75	mg/l	5		20
Magnesium, Dissolved	59.1	59.4	mg/l	1		20
Manganese, Dissolved	2.673	2.643	mg/l	1		20
Potassium, Dissolved	23.0	22.8	mg/l	1		20
Sodium, Dissolved	37.8	36.4	mg/l	4		20





**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI**Lab Number:** L2222971**Project Number:** 12582345**Report Date:** 06/01/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

Cooler	Custody Seal
A	Absent

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2222971-01A	2 Plastic-AA /1 Plastic/1 H2O+AA	A	7	7	3.1	Y	Absent		-
L2222971-01B	Plastic 250ml HNO3 preserved	A	<2	<2	3.1	Y	Absent		TL-6020T(180),BA-6020T(180),FE-6020T(180),SE-6020T(180),NI-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AG-6020T(180),MG-6020T(180),CD-6020T(180),AL-6020T(180),HG-T(28),CO-6020T(180)
L2222971-01X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.1	Y	Absent		K-6020S(180),V-6020S(180),CU-6020S(180),SE-6020S(180),MN-6020S(180),BE-6020S(180),MG-6020S(180),CO-6020S(180),ZN-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),PB-6020S(180),NI-6020S(180),NA-6020S(180),BA-6020S(180),TL-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2222971-02A	Plastic 250ml unpreserved	A	7	7	3.1	Y	Absent		-
L2222971-02A1	Plastic 250ml unpreserved	A	7	7	3.1	Y	Absent		-
L2222971-02A2	Plastic 250ml unpreserved	A	7	7	3.1	Y	Absent		-
L2222971-02B	Plastic 250ml HNO3 preserved	A	<2	<2	3.1	Y	Absent		TL-6020T(180),BA-6020T(180),FE-6020T(180),SE-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),AG-6020T(180),MG-6020T(180),AL-6020T(180),MG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)

**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI  
**Project Number:** 12582345

**Serial\_No:**06012214:58  
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**Report Date:** 06/01/22

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2222971-02B1	Plastic 250ml HNO3 preserved	A	<2	<2	3.1	Y	Absent		TL-6020T(180),BA-6020T(180),FE-6020T(180),SE-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),AG-6020T(180),MG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L2222971-02B2	Plastic 250ml HNO3 preserved	A	<2	<2	3.1	Y	Absent		TL-6020T(180),BA-6020T(180),FE-6020T(180),SE-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),AG-6020T(180),MG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L2222971-02X2	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.1	Y	Absent		K-6020S(180),V-6020S(180),SE-6020S(180),CU-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),NA-6020S(180),PB-6020S(180),NI-6020S(180),BA-6020S(180),TL-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2222971-02X3	Plastic 120ml HNO3 preserved Filtrates	NA	NA			Y	Absent		V-6020S(180),ZN-6020S(180),TL-6020S(180)
L2222971-03A	Plastic 250ml unpreserved	A	7	7	3.1	Y	Absent		-
L2222971-03B	Plastic 250ml HNO3 preserved	A	<2	<2	3.1	Y	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),AG-6020T(180),CO-6020T(180)

**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI**Lab Number:** L2222971**Project Number:** 12582345**Report Date:** 06/01/22**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2222971-03X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.1	Y	Absent		V-6020S(180),SE-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),ZN-6020S(180),CO-6020S(180),MG-6020S(180),BE-6020S(180),FE-6020S(180),CR-6020S(180),CA-6020S(180),NA-6020S(180),NI-6020S(180),BA-6020S(180),PB-6020S(180),TL-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)
L2222971-04A	Plastic 250ml unpreserved	A	7	7	3.1	Y	Absent		-
L2222971-04B	Plastic 250ml HNO3 preserved	A	<2	<2	3.1	Y	Absent		SE-6020T(180),BA-6020T(180),FE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),K-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CD-6020T(180),CO-6020T(180)
L2222971-04X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.1	Y	Absent		V-6020S(180),CU-6020S(180),K-6020S(180),SE-6020S(180),MN-6020S(180),ZN-6020S(180),BE-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),NI-6020S(180),BA-6020S(180),TL-6020S(180),NA-6020S(180),PB-6020S(180),SB-6020S(180),AS-6020S(180),AG-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)

**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI  
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**Lab Number:** L2222971  
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## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



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#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



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**Data Qualifiers**

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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**Project Name:** MORRIS LOT 4 AUSTIN AVE AND PI  
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**Lab Number:** L2222971  
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## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpineol

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.


**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



 <b>NEW YORK CHAIN OF CUSTODY</b> Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1 of 1	Date Rec'd in Lab 5/3/22	ALPHA Job # 12222971																																																									
	<b>Project Information</b> Project Name: <i>moms lot 4 Ashin ave and Park Place BCP site</i> Project Location: <i>Stew Leonard Home Park</i> Project # <i>12582345</i> (Use Project name as Project #) <input type="checkbox"/>		<b>Deliverables</b> <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input checked="" type="checkbox"/> Other <i>NYS &amp; State (EIS) Category B Final EIR</i>		<b>Billing Information</b> <input type="checkbox"/> Same as Client Info PO #																																																								
<b>Client Information</b> Client: <i>GHS Environmental</i> Address: <i>5788 Walkup Dr. Syracuse NY</i> Phone: <i>315 802 0336</i> Fax: _____ Email: <i>Ian.McNamara@GHS.com</i>		<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:																																																									
Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: _____ Rush (only if pre approved) <input type="checkbox"/> # of Days: _____		<b>ANALYSIS</b>																																																											
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Please specify Metals or TAL.		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">Total TA Metals</th> <th rowspan="2">Total Metals</th> <th rowspan="2">Total TA Metals</th> <th rowspan="2">Total Metals</th> <th rowspan="2">Sample Specific Comments</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>22971-01</td> <td><i>12582345-050222-AL-001</i></td> <td><i>5/2/22</i></td> <td><i>955</i></td> <td><i>GL</i></td> <td><i>AK</i></td> <td><i>1</i></td> <td><i>1</i></td> <td></td> <td></td> <td><i>Lab Filter cell</i></td> </tr> <tr> <td><i>02</i></td> <td><i>12582345-030222-AL-002 (MSP)</i></td> <td></td> <td><i>1410</i></td> <td><i>GL</i></td> <td><i>AK</i></td> <td><i>3</i></td> <td><i>3</i></td> <td></td> <td></td> <td><i>NYS metals</i></td> </tr> <tr> <td><i>03</i></td> <td><i>12582345-050222-AL-003</i></td> <td></td> <td><i>1425</i></td> <td><i>GL</i></td> <td><i>AK</i></td> <td><i>1</i></td> <td><i>1</i></td> <td></td> <td></td> <td></td> </tr> <tr> <td><i>04</i></td> <td><i>12582345-050222-AL-004</i></td> <td></td> <td><i>1600</i></td> <td><i>GL</i></td> <td><i>AK</i></td> <td><i>1</i></td> <td><i>1</i></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Total TA Metals	Total Metals	Total TA Metals	Total Metals	Sample Specific Comments	Date	Time	22971-01	<i>12582345-050222-AL-001</i>	<i>5/2/22</i>	<i>955</i>	<i>GL</i>	<i>AK</i>	<i>1</i>	<i>1</i>			<i>Lab Filter cell</i>	<i>02</i>	<i>12582345-030222-AL-002 (MSP)</i>		<i>1410</i>	<i>GL</i>	<i>AK</i>	<i>3</i>	<i>3</i>			<i>NYS metals</i>	<i>03</i>	<i>12582345-050222-AL-003</i>		<i>1425</i>	<i>GL</i>	<i>AK</i>	<i>1</i>	<i>1</i>				<i>04</i>	<i>12582345-050222-AL-004</i>		<i>1600</i>	<i>GL</i>	<i>AK</i>	<i>1</i>	<i>1</i>			
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Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type P P		Preservative A C		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																																			
Form No: 01-25 HC (rev. 30-Sept-2013)		Reinquished By: _____ Date/Time: <i>5/3/22 1200</i>		Received By: _____ Date/Time: <i>5/3/22 1205</i>		_____ Date/Time: <i>5/3/22 1310</i>		_____ Date/Time: <i>5/3/22 1640</i>		_____ Date/Time: <i>5/3/22 2200</i>																																																			

# **Attachment 3**

**NYSDEC EQuIS Correspondence**

## Ian McNamara

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**From:** dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>  
**Sent:** Friday, November 11, 2022 4:24 PM  
**To:** Ian McNamara  
**Cc:** Squire, Michael H (DEC)  
**Subject:** RE: Lot 4 - Austin Avenue and Prior Place BCP Site (Site #C360116) - Biennial 2022 Groundwater Monitoring EQUIS Submittal

Ian,

Thank you for your EDD submission. NYSDEC has successfully uploaded the data from the EDDs "20220921 2241.C360116.NYSDEC\_MERGE" and "20220921 2243.C360116.NYSDEC\_MERGE" to Lot 4 - Austin Ave and Prior Place in the NYSDEC EQUIS database and the data is available for use within the system.

Aaron  
NYSDEC EIMS Team



**Department of  
Environmental  
Conservation**

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**From:** Ian McNamara <Ian.McNamara@ghd.com>  
**Sent:** Wednesday, September 21, 2022 10:45 PM  
**To:** dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>  
**Cc:** Squire, Michael H (DEC) <Michael.Squire@dec.ny.gov>  
**Subject:** Lot 4 - Austin Avenue and Prior Place BCP Site (Site #C360116) - Biennial 2022 Groundwater Monitoring EQUIS Submittal

*ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.*

Hello,

Attached are 2 EDDs for the 2022 biennial sampling event completed at the above referenced site in May. One contains field parameters and water levels and one contains laboratory analytical results. Please let me know if edits are needed for a successful upload.

Thank you,  
Ian

**Ian McNamara** (he/him)  
**Senior Project Manager – Environment**  
**Northeast Quality & Project Delivery Lead**

**GHD**

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5788 Widewaters Parkway Syracuse New York 13214 USA

D 315 802 0312 | M 315 368 8432 | E [ian.mcnamara@ghd.com](mailto:ian.mcnamara@ghd.com)